CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 23	Springfield, Ill.	Apr. 5
Apr. 23	Altamont, Ill.	Apr. 19
Apr. 24	Belmar, N. J.	Apr. 12
Apr. 24	Locust Valley, N. Y.	Apr. 12
	Adv. Apr. 12 and 19.	
Apr. 26	Keeseville, N. Y.	Apr. 19
	Adv. Apr. 19.	
Apr. 26	Ft. Smith, Ark.	Apr. 19
Apr. 26	New Orleans, La.	Mar. 8
	Adv. Mar. 8 to Apr. 19.	
Apr. 26	Buffalo, N. Y.	Apr. 19
Apr. 27	Tulare, S. D.	Apr. 19
Apr. 27	Brooklyn, N. Y.	Apr. 19
Apr. 28	Conde, S. D.	Apr. 19
Apr. 30	Oconomowoc, Wis.	Apr. 19
Apr. 30	North East, Pa.	Apr. 19
May 1	Freehold, N. J.	
	Adv. Apr. 19.	Apr. 19
May 1	Macedon, N. Y.	
	Adv. Apr. 12 and 19.	Apr. 12
May 12	Memphis, Tenn.	
	Adv. Apr. 12 and 19.	
May 16	San Francisco, Calif.	Apr. 19
	Adv. Apr. 19.	
May 15	Harrisburg, Pa.	Apr. 19
	Adv. Apr. 19	

SEWERS

Apr. 20	Boston, Mass.	Apr. 19
Apr. 22	Marysville, Kan.	Apr. 5
Apr. 23	Boston, Mass.	Apr. 19
Apr. 23	Long Island City, N. Y.	Apr. 19
Apr. 24	Buffalo, N. Y.	Mar. 29
Apr. 24	Indianapolis, Ind.	Apr. 5
Apr. 24	Louisville, Ky.	Apr. 5
Apr. 24	Boston, Mass.	Apr. 19
Apr. 24	Riverside, Calif.	Apr. 19
Apr. 25	Glens Falls, N. Y.	Apr. 12
Apr. 25	Phila., Pa.	Apr. 19
Apr. 27	Wash., D. C.	Apr. 12
Apr. 28	Lima, O.	Apr. 12
	Adv. Apr. 12 and 19.	
Apr. 28	Cleveland, O.	Apr. 19
Apr. 30	Morris Plains, N. J.	Apr. 19
Apr. 30	Waldwick, N. J.	Apr. 19
	Adv. Apr. 19.	
Apr. 30	Waterloo, N. Y.	Apr. 19
Apr. 30	Falls City, Neb.	Apr. 19
May 1	New Jersey	Apr. 19
	Adv. Apr. 19.	
May 1	Avon, S. D.	Apr. 12
May 3	Independence, Kan.	Apr. 12
May 7	Los Angeles, Calif.	Apr. 19
May 15	St. Petersburg, Fla.	
	Adv. Apr. 19.	

WASTE DISPOSAL

Apr. 26	Cleveland, O.	Apr. 5
Apr. 28	Harrisburg, Pa.	Apr. 19
	Adv. Apr. 19.	

BRIDGES

Apr. 24	Louisiana	Apr. 12
Apr. 26	Paola, Kan.	Apr. 19
Apr. 27	Williamsport, Pa.	Apr. 12
Apr. 27	Fresno, Calif.	Apr. 12
Apr. 28	Dayton, O.	Apr. 19
Apr. 30	San Anselmo, Calif.	Apr. 12
Apr. 30	Lansing, Mich.	Apr. 19
	Adv. Apr. 19.	
Apr. 30	Milwaukee, Wis.	Apr. 19
May 1	Alabama	Apr. 19
May 1	Indiana	Apr. 19
May 1	Washington	Apr. 12
May 3	Alabama	Apr. 13
May 7	Wentworth, N. C.	Apr. 19
May 8	Ludington, Mich.	Apr. 19
May 10	Haverhill, Mass.	Apr. 19
	Adv. Apr. 19.	
Nov. 30	Sydney, Australia	Apr. 19
	Adv. Apr. 19.	

EXCAVATION, DRAINAGE, IRRIGATION

Apr. 23	Audubon, Ia.	Apr. 5
Apr. 23	North Milwaukee, Wis.	Apr. 19
Apr. 28	Brownsville, Tex.	Apr. 19
May 1	Des Moines, Ia.	Apr. 19
May 1	Manitowoc, Wis.	Apr. 19
May 2	Houston, Tex.	Apr. 19
June 15	Albert Lea, Minn.	Apr. 12

STREETS AND ROADS

Bids Close		See Eng. News-Record
Apr. 20	New York	Apr. 12
	Adv. Apr. 5 to 19.	
Apr. 23	Sanford, Fla.	Apr. 5
Apr. 23	Cedar Grove, La.	Apr. 12
Apr. 23	Dallas, Tex.	Apr. 12
Apr. 23	Yankton, S. D.	Apr. 12
Apr. 23	Bexley (Columbus P. O.), O.	Apr. 12
Apr. 23	Hondo, Tex.	Apr. 12
Apr. 23	Redwood City, Calif.	Apr. 19
Apr. 23	Fredonia, N. Y.	Apr. 19
Apr. 23	Carroll, Ia.	Apr. 19
Apr. 23	Madera, Calif.	Apr. 19
Apr. 23	St. Paul, Minn.	Apr. 12
Apr. 24	Trenton, N. J.	Apr. 12
Apr. 24	Columbus, O.	Apr. 19
Apr. 24	Allenhurst, N. J.	
	Adv. Apr. 19.	Apr. 19
Apr. 24	Hartford, Conn.	Apr. 19
Apr. 24	Wyoming	Apr. 19
Apr. 24	Stockton, Calif.	Apr. 19
Apr. 24	Wisconsin	Apr. 19
Apr. 24	Hartford, Conn.	Apr. 19
Apr. 24	Hagerstown, Md.	Apr. 19
Apr. 24	Redwood Falls, Minn.	Apr. 19
Apr. 24	Port Huron, Mich.	Apr. 19
Apr. 24	Marshall, Wis.	Apr. 19
Apr. 24	Lincolnton, N. C.	Apr. 19
Apr. 24	Phila., Pa.	Apr. 19
Apr. 25	Rockville, Conn.	Apr. 5
Apr. 25	Seneca, Kan.	Apr. 5
Apr. 25	Crookston, Minn.	Apr. 12
Apr. 25	Warren, Minn.	Apr. 12
Apr. 25	Kentucky	Apr. 12
Apr. 25	Duluth, Minn.	Apr. 12
Apr. 25	Irvine, Ky.	Apr. 12
Apr. 25	Tacoma, Wash.	Apr. 12
Apr. 25	Nevada, Ia.	Apr. 19
Apr. 25	Monticello, Ind.	Apr. 19
Apr. 25	Logansport, Ind.	Apr. 19
Apr. 25	Wisconsin	Apr. 19
Apr. 25	Cedargrove, N. J.	Apr. 19
Apr. 25	Sigourney, Ia.	Apr. 19
Apr. 25	New York, N. Y.	Apr. 19
Apr. 25	Hayward, Calif.	Apr. 12
Apr. 26	Bloomfield, Ia.	Apr. 5
Apr. 26	St. Francis, Kan.	Apr. 12
Apr. 26	Plainfield, N. J.	
	Adv. Apr. 12 and 19.	
Apr. 26	Deal (Deal Beach P. O.), N. J.	Apr. 12
		Apr. 19
Apr. 26	Lynbrook, N. Y.	
	Adv. Apr. 12 and 19.	
Apr. 26	Ft. Wayne, Ind.	Apr. 19
Apr. 26	Towson, Md.	Apr. 19
Apr. 26	Biloxi, Miss.	Apr. 5
Apr. 27	Wellington, Kan.	
Apr. 27	Pringle (Wilkes-Barre P. O.), Pa.	Apr. 19
		Apr. 19
Apr. 27	Wisconsin	Apr. 19
Apr. 27	Manchester, Tenn.	
	Adv. Apr. 19.	
Apr. 27	Michigan	Apr. 19
Apr. 27	Devils Lake, N. D.	Apr. 19
Apr. 27	Clear Lake, Ia.	Apr. 19
Apr. 28	Greencastle, Ind.	Apr. 19
Apr. 28	Muncie, Ind.	Apr. 19
Apr. 28	Alpena, Mich.	Apr. 12
Apr. 30	Warwick, N. Y.	
	Adv. Apr. 12 and 19.	
Apr. 30	San Anselmo, Calif.	Apr. 12
Apr. 30	Elkpoint, S. D	Apr. 19
Apr. 30	Norfolk, Va.	
	Adv. Apr. 19.	
Apr. 30	Sebring, Fla.	Apr. 19
Apr. 30	Seattle, Wash.	Apr. 19
Apr. 30	Indianapolis, Ind.	Apr 19
Apr. 30	Mitchell, S. D	Apr. 19
Apr. 30	Akron, O.	Apr. 19
Apr. 30	Ontario	Apr. 19
Apr. 30	Pointe a la Hache, La.	Apr. 12
May 1	Miami, Fla.	
	Adv. Apr. 12 and 19.	Apr. 12
May 1	West Virginia	
	Adv. Apr. 12 and 19.	Apr. 5
May 1	Atchison, Kan.	Apr. 5
May 1	Washington	Apr. 12
May 1	Pennsylvania	
	Adv. Apr. 12 and 19.	Apr. 12
May 1	Trenton, N. J.	Apr. 19
May 1	Alabama	Apr. 19
May 1	Washington	Apr. 19
May 1	Centralia, Wash.	Apr. 19
May 1	Maryland	
	Adv. Apr. 19.	Apr. 19
May 1	Auburn, N. Y.	
	Adv. Apr. 19.	Apr. 19
May 1	Wisconsin	Apr. 19
May 1	Towner, N. D.	Apr. 19
May 1	Linton, N. D.	Apr. 19
May 1	Ortonville, Minn.	Apr. 19
May 2	Morristown, N. J.	
	Adv. Apr. 19.	

Bids Close		See Eng. News-Record
May 2	Mankato, Minn.	Apr. 19
May 3	Iola, Kan.	Apr. 19
May 3	Mobile, Ala.	Apr. 12
	Adv. Apr. 12 and 19.	
May 3	Quebec	Apr. 19
May 4	Hiawatha, Kan.	Apr. 12
May 4	Winchester, Ky.	Apr. 19
	Adv. Apr. 19.	
May 5	Finley, N. D.	Apr. 19
May 7	Warsaw, Ind.	Apr. 19
May 9	Ashland, R. I.	Apr. 19
May 11	Westfield, N. Y.	Apr. 19
	Adv. Apr. 19.	
May 15	Starke, Fla.	Apr. 19
May 15	Onawa, Ia.	Apr. 19
May 15	St. Petersburg, Fla.	Apr. 19
	Adv. Apr. 19.	

INDUSTRIAL WORK

Apr. 23	Rapid City, S. D.	Apr. 5
Apr. 23	La Crosse, Wis.	Apr. 19
Apr. 23	Wauwatosa, Wis.	Apr. 19
Apr. 24	Huron, S. D.	Apr. 5
Apr. 25	Muscatine, Ia.	Apr. 19
May 15	Bethlehem, Pa.	Apr. 19

BUILDINGS

Apr. 21	Providence, R. I.	Apr. 19
Apr. 23	Watertown, N. Y.	Apr. 12
Apr. 23	Trenton, N. J.	Apr. 19
Apr. 23	Milwaukee, Wis.	Apr. 19
Apr. 23	Bristol, Conn.	Apr. 5
Apr. 24	Green Bay, Wis.	Apr. 19
Apr. 24	Lakewood (Cleveland P. O.), O.	Apr. 12
		Apr. 19
Apr. 24	Piedmont, Calif.	Apr. 19
Apr. 24	Modesto, Calif.	Apr. 12
Apr. 26	Lakewood, N. J.	Apr. 19
Apr. 26	Sacramento, Calif.	Apr. 19
Apr. 27	Lima, O.	Apr. 19
Apr. 30	Norwalk, Calif.	Apr. 19
Apr. 30	Raleigh, N. C.	Apr. 19
Apr. 30	Milwaukee, Wis.	Apr. 19
Apr. 30	Grand Island, Neb.	Mar. 8
Apr. 30	Capa, S. D.	Mar. 22
May 1	Mason City, Ia.	Apr. 12
June 1	Morgantown, W. Va.	
	Adv. Apr. 12 and 19.	Apr. 19
May 1	Albuquerque, N. M.	Apr. 19
May 1	Kansas City, Mo.	Apr. 19
May 2	Baltimore, Md.	Apr. 19
May 4	Cleveland, O.	Apr. 19
May 5	Hartford, Conn.	Apr. 19
May 8	Olympia, Wash.	Apr. 19
May 10	Pleasantville, O.	Apr. 19
May 10	Mt. Vernon, O.	

FEDERAL GOVERNMENT WORK

Apr. 23	Earthwork — Memphis, Tenn.	Apr. 5
	Adv. Apr. 5 to 19.	
Apr. 23	Steel Bars, etc. — Memphis, Tenn.	Apr. 5
	Adv. Apr. 5 to 19.	
Apr. 23	Water and Sewer Lines — Edgewood, Md.	Apr. 19
	Adv. Apr. 19.	
Apr. 23	Sewers—Ft. Benjamin Harrison, Ind.	Apr. 19
	Adv. Apr. 12 and 19.	
Apr. 24	Roads—Washington	Apr. 19
Apr. 24	Road—Nevada	Apr. 12
Apr. 25	Hospital Buildings — Chelsea, N. Y.	Apr. 5
Apr. 25	Mechanical Equipment—Chelsea, N. Y.	Apr. 5
Apr. 25	Reconstructing Dike — Mare Island, Calif.	Mar. 22
Apr. 25	Steel Gates — Nashville, Tenn.	Apr. 5
	Adv. Apr. 5 to 19.	
Apr. 25	Laboratory — Anacostia, D. C.	Apr. 12
Apr. 25	Dismantling—St. Cloud, Minn.	Apr. 19
	Adv. Apr. 19.	
Apr. 26	Road—Nevada	Apr. 12
Apr. 26	Coal—Memphis, Tenn.	Apr. 19
	Adv. Apr. 12 and 19.	
Apr. 27	Barges—Portland, Ore.	Apr. 5
Apr. 27	Boilers—Florence, Ala.	Apr. 5
Apr. 30	Barges—Jacksonville, Fla.	Apr. 5
	Adv. Apr. 5 to 19.	
Apr. 30	Dredging—Baltimore, Md.	Apr. 5
	Adv. Apr. 5 to 19.	
Apr. 30	Post Office—Vernal, Utah.	Apr. 5
Apr. 30	Dredging—Baltimore, Md.	Apr. 5
May 1	Hangars, etc. — Columbus, O.	Apr. 19
	Adv. Apr. 19.	

Bids Close		See Eng. News-Record
May 2	Re-roofing—Mare Island, Calif.	Apr. 19
May 2	Standpipe—Lake Denmark, N. J.	Apr. 19
May 2	Pump House, etc.—Pensacola, Fla.	Apr. 19
May 3	Superstructure — Detroit, Mich.	Apr. 5
	Adv. Apr. 5 to 19.	
May 3	Boilers—Mankato, Minn.	Apr. 12
	Adv. Apr. 12 and 19.	
May 7	Boilers—Oteen, N. C.	Apr. 12
May 8	Boiler — Saratoga Springs, N. Y.	Apr. 12
	Adv. Apr. 12 and 19.	
May 9	Underpinning Chimney—Phila., Pa.	Apr. 19
May 9	Water Supply, etc. — St. Cloud, Minn.	Apr. 19
May 10	Post Office — Cordova, Alaska	Jan. 25
May 10	Mailing Platform — Detroit, Mich.	Apr. 19
	Adv. Apr. 19.	
May 11	Dredging — New York, N. Y.	Apr. 12
	Adv. Apr. 19.	
May 11	Bear Trap Leaves—Louisville, Ky.	Apr. 12
	Adv. Apr. 12 and 19.	
May 11	Quarters—Mobile, Ala.	Apr. 19
	Adv. Apr. 19.	
May 11	Boilers—Binghamton, N. Y.	Apr. 19
	Adv. Apr. 19.	
May 12	Metal Work—Key West, Fla.	Apr. 12
	Adv. Apr. 19.	
May 14	Dredging — Wilmington, Del.	Apr. 19
	Adv. Apr. 19.	

MISCELLANEOUS

Apr. 23	Bituminous Dressing — Buffalo, N. Y.	Apr. 19
Apr. 23	Road Oil—Adrian, Mich.	Apr. 19
	Adv. Apr. 19.	
May 23	Steel Penstock and Accessories —San Francisco, Calif.	Apr. 19
	Adv. Apr. 19.	
Apr. 23	Fire Hydrants—Edmonds, B. C.	Apr. 19
Apr. 24	Stadium—Lincoln Neb.	Apr. 12
Apr. 24	Tar and Asphalt — Trenton, N. J.	Apr. 12
Apr. 25	Culverts and Extensions — Sigourney, Ia.	Apr. 19
Apr. 26	Ferry Boats—New York, N. Y.	Apr. 12
Apr. 30	Trap Rock, etc.—Trenton, N. J.	Apr. 12
	Adv. Apr. 12 and 19.	
Apr. 30	Bridge Materials — Bison, S. D.	Apr. 19
Apr. 30	Scarifier—Newton, N. J.	Apr. 19
	Adv. Apr. 19.	
May 1	Pavilion—Sea Girt, N. J.	Apr. 19
	Adv. Apr. 19.	
May 1	Road Oil—Hartford, Conn.	Apr. 19
	Adv. Apr. 19.	
May 2	Road Oil—Rhode Island.	Apr. 19
	Adv. Apr. 19.	
May 8	Road Oil—Fresno, Calif.	Apr. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Batavia—Voted $30,000 bonds new c.i. mains.

N. Y., Orchard Park—Making surveys and plans new water system. $50,000. White & Getman, Mutual Life Bldg., Buffalo, engrs.

N. C., Winston-Salem—See "Streets and Roads."

O., Cleveland—Cuyahoga Co. takes bids in summer 4.2 mi. c.i. mains in Ridge Rd. from Bean to Pleasant Valley Rds., and York Rd. from Parma Heights Village limits to Sprague Rd., etc. $140,000. R. F. MacDowell, Court House, engr.

O., Columbus—See "Streets and Roads."

O., Middletown — Plans water mains, curbing, guttering and laying sidewalks on Park Dr., Monroe, Jefferson, Belmont, Philadelphia, McGee, Clayton, Superior, Grand, Highland, Alameda and Webster Sts. To exceed $25,000.

O., Oakwood (Dayton P. O.)—Voted $50,000 bonds for water pumping plant and laying additional c.i. mains. A. C. Stolz, mayor.

Ill., Oblong—Plans waterworks system $75,000. E. F. Mail, Robinson, engr. Kelker, De Leuw & Co., Conway Bldg., Chicago, consult. engrs.

Wis., Manitowoc—Soon takes bids on approximately 3 car loads 6-8 in. c.i. pipe for Water Dept. F. H. Alter, City Hall, engr.

Kan., Gaylord — Making plans waterworks. $35,000 bonds voted. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs. Noted Apr. 5.

Mo., Burlington Junction—Election early in May to vote on $70,000 bonds for water mains and sewers. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Tex., Edgewood—Apr. 28, to vote on $40,000 bond issue, new mains, etc. Address J. R. Greer, mayor. Engineer not announced.

Tex., Galveston—May 8, to vote on $125,000 bond issue for rehabilitation of Alta Loma waterworks on mainland. C. A. Holt, Jr., city engr.

Tex., Marshall—Election early in May to vote on $80,000 bond issue for waterworks, and $20,000 for sanitary sewerage system.

Tex., Wolfe City—Election in May to vote on $100,000 bond issue general waterworks construction. Engineer not selected.

Idaho, Lewiston—Election early next month to vote on $380,000 bonds for rebuilding and extending waterworks, incl. 6,000,000 gal. filtration plant, rein.-con. reservoir, larger mains, etc. Burns & McDonnell, 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 29.

Ariz., Flatstaff — Election early next month to vote on $350,000 bonds for waterworks improvements, incl. 50,000,000 gal. rein.-con. reservoir, etc. Burns & McDonnell, 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Sept. 28.

Calif., Napa—City soon takes bids, pipe line between city and Milliken Creek Storage Dam, 25,000 lin.ft. 14 and 16 in. riveted steel pipe, alternative bids on various thicknesses and various types of joints, etc. $45,000. A. Kempkey, Hobart Bldg., San Francisco, engr. Noted Feb. 15.

Calif., San Diego—Voted $400,000 bonds for second main conduit from Lower Otay reservoir to Bonita Wye. H. N. Savage, McNeece Bldg., hydraulic engr. Noted Feb. 8.

Ont., Oshawa—Plans 500,000 imp. gal. elevated steel waterworks tank, 120 ft. high. $45,000. W. C. Smith, city engr.

Ont., South Porcupine — Tisdale Twp. plans pumping plant and distribution system. $250,000. W. H. Wilson, twp. clk. J. F. Henderson, Timmins, engr.

BIDS DESIRED

N. Y., Brooklyn — Apr. 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Saratoga Ave., Ave. R, Mansfield Pl., Douglass, Herzl, West 5th, 48th and 78th Sts., here.

N. Y., Buffalo—Apr. 26, by A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., two thousand eight twenty-five ¾ to 2 in. corporation cocks and three hundred 5 to 8 in. couplings and tail pieces, to Bureau of Water.

N. Y., Keeseville—Apr. 26, by Bd. Water Comrs. improving waterworks. J. P. Wells, 249 Cutler Bldg., Rochester, engr.; adv. this issue.

N. Y., Macedon—May 1, by Bd. Water Comrs. waterworks system. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. this issue.

N. J., Freehold—May 1, by Mayor and Boro Council, fuel oil engines, pumps, compressors, fuel oil tanks, and deepening several wells, Contrs. A, B and C. C. A. Niles, boro engr.; adv. this issue.

N. J., Waldwick—Apr. 30, by W. R. Evans, Jr., boro clk., Council Chamber, 6.7 mi. water pipe, concrete reservoir, dykes, etc. J. L. Collins, engr.; adv. this issue.

Pa., Harrisburg — May 15, at Council Chamber, Dauphin Bldg., extending and improving waterworks, Contracts E and F. J. H. Fuertes, 140 Nassau St., New York City, consult. engr.; adv. this issue. Noted Apr. 12.

Pa., North East—Apr. 30, by Boro Council, 30 m.g. storage reservoir, earth dam and spillway, 2,000 ft. 8 in. sanitary sewer and paving 450 sq.yd. alley with rein.-con. Hill & Hill, North East, engrs. Noted Apr. 12.

Ill., Altamont—Apr. 23, for 24,485 ft. 4 in., 5,520 ft. 6 in. and 60 ft. 8 in. Class B, c. i. pipe, 14,912 lb. special castings, etc. W. A. Fuller, 1917 Railway Exch., St. Louis, Mo., engrs. Noted Oct. 19.

Wis., Clinton Junction—Taking bids 3 g.p.m. centrifugal pump and accessories for city water supply. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Wis., Milton—Apr. 24, 8 in. drilled well, 860 ft. deep, 22,380 ft. 4-8 in. main, 555 ft. 1 in. extra heavy lead pipe, etc., one pump house and reservoir, 30 ft. diameter, 15 ft. deep, 21,479 ft. 6-12 in. vitr. sewer, 1 sewage disposal plant, tanks, filters and aeration equipment, two 300 g.p.m. centrifugal pumps, motor and engine driven, etc. W. G. Kirchoffer, Vroman Blk., Madison, engr. Noted Nov. 2.

Wis., Oconomowoc—Apr. 30, by T. S. Johnson, city clk., for mains, separate bids will be received on furnishing material. $25,000. J. A. Stemper, City Hall, engr.

S. D., Avon—See "Sewers."

S. D., Conde—Apr. 28, by waterworks system incl. 2 mi. 4-8 in. c. i. pipe, 60,000 gal. elevated tank, 75,000 gal. rein.-con. reservoir, 6 x 8 triplex pump, etc. Dakota Eng. Co., 309 Western Natl. Bank Bldg., Mitchell, engrs.

S. D., Tulare—Apr. 27, by City Auditor, 1¼ mi. 4 in c. i. water mains and 2 mi. 8-12 in. sewers. $30,000. Dakota Eng. Co., 309 Western Natl. Bank Bldg., Mitchell, engrs.

Ark., Ft. Smith — Apr. 26, by W. L. Winters, engr., Ft. Smith, pump house, filtration plant, well, filters, electric motors, valves, hydrant, also repairing reservoir and miscellaneous work, for city.

Calif., San Francisco—May 16, at office of Bd. Pub. Wks., of city and San Francisco Co., constructing Bay Crossing pipe line in Bay Crossing Div. of Hetch Hetchy Aqueduct, Contr. 90, Hetch Hetchy Water Supply. W. J. Fitzgerald, secy.; adv. this issue.

BIDS RECEIVED

N. Y., Buffalo—Commissioner Pub. Wks., Municipal Bldg., Apr. 9, 33,000 lb. c.i. manhole frames and covers, etc., from Victory Fdry. & Machine Co., Inc., 419 Bway., $0.0745, United States C. I. Pipe & Fdry. Co., 957 East Ferry St., $0.0975 per lb., Howard Iron Wks., Chicago and Granger Sts., $0.0975; 12,000 lb. steel manhole frames and covers, etc., from G. Schautz Eng. Co., 860 Seneca St., $0.115. Noted Mar. 29.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Apr. 10, mains in Atkins and Banner Aves., etc., from Carter Constr. Co., 22 Beaver St., $43,000, Watega Contg. Co., $46,000, Paladino Contg. Co., 437 East 120th St., $47,117; Marginal and East 26th Sts., etc., from C. De Blasio, $24,700, Beaver Eng. & Contg. Co., 51 Chambers St., $27,000, Melrose Constr. Co., 230 East 162nd St., $29,000. Noted Apr. 5.

N. Y., Poughkeepsie—Bd. Pub. Wks., Eastman Park Mansion, reconstructing pumping station, from L. Chevalier, Inc., 207 East 43rd St., New York, $34,882; W. W. Kingston, 1 Washington St., $34,995; L. M. Neckerman, 103 Park Ave., New York, $36,590. Noted Mar. 29.

Minn., St. Paul—H. W. Austin, city purch. agt., Mar. 26, 18,000 bbl. portland cement for Water Dept., from Thompson Yards, Inc., 2694 University Ave., P. G. Speakes Co., 2845 2nd Ave. S., Minneapolis, and St. Paul Builders Materials Co., 605 Ryan Bldg., all bid $2.54 net, f.o.b. cars. Noted Mar. 22.

CONTRACTS AWARDED

Mass., Boston—For 9,565 ft. 8-16 in. c.i. mains in Bedford, Boylston, South, Franklin, Broad, High, Hawley, Oliver and Beach Sts., to C. & R. Constr. Co., 3 Tremont Row, $133,248.

Conn., Wallingford — Bd. Water Comrs., 4,000 ft. ditching, laying and carting 18 in. c.i. water main, also 7,000 ft. ditching and filling water pipe trench, to J. E. Driscoll, 499 Prospect St., Torrington, $17,010. Noted Mar. 8.

N. Y., Savannah—Bd. Village Trustees, c.i. mains, reservoir and building for pumping station, to A. Petrosino, Savannah, $21,938. Noted Mar. 22.

O., Garfield Heights (Cleveland P. O.)—See "Sewers."

Ind., Mishawaka — Rein.-con. reservoir, 1,500,000 gal. capacity, to J. W. Martin, 420 Bd. of Trade Bldg., Indianapolis, $28,793; pump to Alberger Pump & Condenser Co., 140 Cedar St., New York City, $2,496. Noted Feb. 8.

Mont., Shelby—For 15,000 ft. 6 in. and 4,000 ft. 4 in. c. i. mains, to Two Miracle Co., Ford Bldg., Great Falls, $62,185.

Sewers

PROPOSED WORK

Mo., Burlington Junction—See "Waterworks."

N. Y., Albany—Preparing plans trunk sewer in Delaware Ave. section. To exceed $25,000. J. G. Brennan, city engr.

N. Y., Liverpool—Plans storm water and sanitary sewerage system in various streets. $25,000-$30,000.

N. Y., Wanakah (Hamburg P. O.)—Town of Hamburg plans sewage disposal plant and 2 mi. sewerage system along Lake Front, here. $75,000. J. E. Leach, Hamburg, town clk. L. Elias, Hamburg, sewer comr.

Sewers (Continued)

N. J., Totowa (Paterson P. O.)—Making plans sanitary sewerage system. H. J. Harder, 129 Market St., Paterson, engr.

N. C., Winston-Salem—See "Streets and Roads."

Fla., Lakeland — Having surveys made sewerage system, vitr. clay pipe, and disposal plant, in Lake Parker D. D. $150,000. D. G. and H. D. Mendenhall, Lakeland, engrs.

O., Columbus—See "Streets and Roads."

O., Middletown—Plans sewers in Park Dr., Monroe, Jefferson, Belmont, Philadelphia, McGee, Clayton, Superior, Grand, Highland, Alameda and Webster Sts. To exceed $25,000.

Ind., Mishawaka—Had plans prepared and soon takes bids sewers in Russell and 6th Sts., 33 in. and smaller, $75,000; North Main St., 24 in. and smaller, $30,000; lateral sewers throughout city, 6-15 in., $50,000. J. L. Stevens, City Hall, engr.

Mich., Springwells—Having plans prepared 60,000 to 80,000 lin.ft. 8-42 in. crock lateral sewers. A. Roth, 2348 Penobscot Bldg., Detroit, engr.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, soon takes bids sewers in South Park Ave. $174,000. C. D. Hill, City Hall., ch. engr.

Ill., Taylorville — Plans intercepting sewers and sewage disposal plant. $150,000. Kelker, De Leuw & Co., Conway Bldg., Chicago, engrs.

Kan., Herrington — Making plans sewer improvements. $250,000 bonds voted. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Tex., Marshall—See "Waterworks."

Calif., Corning—Had plans prepared 16,200 lin.ft. 12 in. sewers, etc. W. F. Luning, Red Bluff, engr.

Calif., Palo Alto—Had plans prepared sewers in Southgate Sub-Division Block J, 23,352 lin.ft. 6 in. and 9,287 lin.ft. 8 in. pipe, etc. $25,000. J. F. Bxybee, Jr., city engr.

Calif., Ukiah—Soon takes bids 1¼ mi. sewers in various streets. E. H. Donohoe, city engr.

Ont., Niagara Falls — Stamford Twp. plans 15½ mi. sanitary sewerage system, vitr. pipe, 8 in. up. $12,000-$14,000 per mile. M. Kerr, twp. engr. James, Proctor & Redfern, 36 Toronto St., Toronto, consult. engrs.

BIDS DESIRED

Mass., Boston—Apr. 23, by J. A. Rourke, Comr. Pub. Wks., 2,130 ft. 8-15 in. concrete sewer pipe, etc., Ashland St. To exceed $50,000. T. F. Bower, City Hall, engr.

Mass., Boston—Apr. 24, by J. A. Rourke, Comr. Public Wks., City Hall, 150 ft. 8 in., 615 ft. 10 in. and 56 ft. 30 in. concrete sewer pipe, surface drain, manholes, boxes, catch basins, etc., Prospect and Maloney Sts. To exceed $30,000. T. F. Bowes, City Hall, engr.

Mass., Boston—Apr. 20, by J. A. Rourke, Comr. Pub. Wks., 352 ft. 8 ft. 10 in. x 9 ft. 10 in., and 235 ft. 6 ft. 1 in. x 6 ft. 8 in. concrete sewer, East Cottage and Humphreys Sts., to exceed $100,000; 365 ft. 6 x 6 ft. concrete sewer, Farragut Rd. extension, $48,000. T. F. Bowes, City Hall, engr.

N. Y., Long Island City—Apr. 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Mitchell Ave., Lawson, Milliard, Norwood, Ormond, Pinford, Quaker and State Sts.

N. Y., Waterloo — Apr. 30, sewers in various streets. To exceed $25,000. A. R. Moore, village clk.

New Jersey—May 1, by Bd. Comrs. of Jersey City, City Hall, constructing trunk sewers and sewage disposal works, Sects. 1 and 3. Clyde Potts, 30 Church St., New York City, consult. engr.; adv. this issue.

N. J., Morris Plains—April 30, by A. B. Mills, state archt., State Office Bldg., Trenton, sewage disposal plant 160 x 220 ft. concrete tank, 6 ft. high to contain 6, 8 and 10 in. terra cotta pipes, 4 sand filters 60 x 205 ft. and 17 x 26 ft. brick building, at Hospital for Insane, here. $70,000.

Pa., Phila.—Apr. 25, by F. H. Caven, dir. Pub. Wks., concrete, brick and terra cotta branch sewers in various streets, $45,000; 740 ft. 4 ft. rein.-con. sewer in Johnson St. from Marvine to 13th Sts., $30,000. J. A. Vogelson, City Hall, engr.

Fla., St. Petersburg—May 15, at office of H. T. Davis, Dir. of Finance, 8,025 ft. 11 in. and 1,643 ft. 10 in. sanitary sewers; 67,939 ft. 10-84 in. storm water drains; adv. this issue.

Miss., Biloxi—See "Streets and Roads."

O., Cleveland—Apr. 28, by Cuyahoga Co., 8,200 ft. 12-18 in. vitr. clay sewer in Sect. "9-B" Co. Sewer Dist. 1. To exceed $25,000. R. F. MacDowell, Court House, engr.

Wis., Milton—See "Waterworks."

S. D., Avon—May 1, constructing 2¼ mi. sewer and 1¼ mi. watermains. Dakota Eng. Co., Western Natl. Bank Bldg., Mitchell, engrs.

S. D., Tulare—See "Waterworks."

Calif., Riverside—April 24, by City Trustees, sewers in various streets, incl. 48,151 ft. 6-24 in. vitr. and 7,930 ft. 18-22 in. rein.-con. pipe 18,702 lb. reinforcing, etc. L. Nafager, city engr. Noted March 22.

BIDS RECEIVED

N. Y., Buffalo—See "Miscellaneous."

O., Cleveland—Morgan Run sewer, concrete pipe, from W. McDowell & Son, 10319 Miles Ave., $78,609 and $83,894; sewer in East 117th, East 143rd and East 147th Sts., from Salem & George Bros., 3645 East 140th St., $26,120; East 118th St., from Hadded & Karial Constr. Co., 314 Eagle Ave., $6,185, W. McDowell & Son, 10319 Miles Ave., $6,470.

Mich., Detroit—Building following lateral sewers (1) 3826, (2) 3829, (3) 3830, (4) 3833, (5) 3835, (6) 3841, (7) 3845, (8) 3846, (9) 3847, (10) 3850, (11) 3894, (12) 3895, from Hammen & Co., 4612 Woodward Ave., (1) $9,530, (2) $3,900, (3) $11,500, (8) $9,630, (9) $11,000, (10) $11,200 (11) $11,900, (12) $9,915; Western Constr. Co., 1208 Ford Bldg., (1) $11,449; (2) $3,416, (3) $10,783, (12) $9,368; T. D. Nolan, 22 Highland Ave., (1) $13,500, (2) $2,990, (10) $8,645, (1)) $14,000, (12) $9,975; W. Blanck & Co., 827 Ford Bldg., (3) $12,471, (11) $18,524; J. Zuccola, 2808 St. Joseph Ave., (4) $2,295, (5) $1,810, (7) $8,652, (8) $8,796; Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., (4) $3,485, (5) $2,890; P. Cappello, Detroit (street address not available), (4) $2,400, (5) $2,100, (7) $7,440; S. Fattore, Detroit, street address not available), (6) $5,500; A. Rossi, 3447 St. Aubin Ave., (7) $7,000; S. Healy, Detroit(street address not available), (8) $7,029, (9) $7,460, (10) $8,135; Corrick Bros., 507 Owen Bldg., (9) $9,264.

Calif., Turlock—Sanitary sewerage system, concrete pipe, from W. H. Graham, Lodi, $28,206; M. Murphy, 1321 Milvia St., Berkeley, $31,900. Noted Apr. 5.

CONTRACTS AWARDED

N. Y., Blasdell—Sewage disposal plant, to G. Moore, 82 Ridgefield Ave., Buffalo, $63,557; sewerage system, to J. W. Erwin, Greenville, O., $89,391. Noted Apr. 12.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Necaro Co., Inc., 97 Court St., sewer in Ocean Ave., 94.45% engrs. est. ($39,925); to M. Paino, 32 Court St., 41st St. 105% ($4,669), Crown St. 95% ($3,695); to S. Ambrosio, 1016 60th St., Rutherford Pl., 92% ($2,370); to Roslyn Constr. Co. 915 New York Ave., Barrett St. 97% ($400), Flushing Ave. 97% ($450), 81st St. 97% ($350), 86th St., 97% ($350), 19th Ave. 97% ($350). Noted Mar. 29.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewer in Crosby and Waterbury Aves., to J. L. Sigretto, Woodhaven, $21,819. Noted Mar. 29.

N. J., Glen Rock (Ridgewood P. O.)—Sewerage system, 3 sections to E. B. Edgar, Scotia, N. Y., and 1 section to Alberto & Co., 208 Hamburgh Ave., Paterson; sewage disposal plant and pumping station to M. Averill, 196 Woodside Ave., Newark, total cost approximately $290,000. Noted Mar. 15.

N. J., Matawan—To Seaman & Letzkus Co., Stone Harbor, 6.5 mi. 6-12 in. sewers, $84,423, and sewage disposal works, $16,998. Noted Mar. 22.

N. C., Fayetteville—Sewerage system, to Tucker & Laxton, Realty Bldg., Charlotte, $150,000. Noted Mar. 15, under "Waterworks."

Ky., Paducah—For 14,833 ft. 6-42 in. rein.-con. and vitr. clay sewers, to E. R. Harding Co., 400 Robinson Bldg., Racine, Wis., $62,861. Engrs. est. $50,000. Noted Mar. 8.

O., Cleveland — For 6,125 ft. 12-20 in. vitr. clay sewers in East 117th, East 143rd, East 146th and East 147th Sts., to Salem & George, 3645 East 140th St., $43,349.

O., Garfield Heights (Cleveland P. O.)—Vitr. clay and c.i. sewers and water mains in East 139th St., Neltrove, Alvin and Rexwood Aves., to A. Lanese Co., Columbia Bldg., Cleveland, $33,349; Saybrook Ave., East 126th and 139th Sts., to D. Rossi & Marcelleti Co., 13701 Benwood Ave., $12,205.

O., Toledo—W. T. Jackson, dir. Pub. Serv., monolithic concrete West Side and Swan Creek intercepting sewer. Contr. 6, to Harris & Tansey, 504 Nasby Bldg., $500,253. Noted Mar. 15.

Ia., Bedford—Sanitary sewerage system to Royer-Craig Co., 1322 32nd St., Des Moines, $31,932.

Mo., Sugar Creek—C. E. Deland, city clk., 11,042 lin.ft. 10-15 in. vitr., 96 lin.ft. 10-14 in. c.i. and 280 lin.ft. 12-16 in. wrought steel sewers, etc., to James & Anderson, Wood River, Ill., $24,134. Noted Mar. 22.

Waste Disposal

BIDS DESIRED

Pa., Harrisburg—Apr. 28, at office S. F. Hassler, supt. Pub. Safety, Room 406, Dauphin Bldg., 2 incinerator plants; adv. this issue.

CONTRACTS AWARDED

Fla., Tampa—Incinerator plant, to Ny Oderless Incinerator Co., Georgia Life Bldg. Macon, Ga., $38,000. Noted Mar. 8.

Bridges

PROPOSED WORK

Conn., Newington — New York, New Haven & Hartford R.R., Union Station, Hartford, plans 144 ft. 3 span bridge, 10,000 cu.yd. earth approach and fill, Clayton Crossing, here. $60,000. E. Gagel, ch. engr.

N. Y., Niagara Falls — Niagara Falls Power Co., plans replacing present iron bridge, 30 ft. wide, with new and modern concrete structure, 60 ft. wide, over Hydraulic Canal. To exceed $50,000. Engineer not announced. This corrects report in Mar. 8 issue.

Pa., Johnstown — Plans 409 ft. bridge over Stoney Creek on Napoleon St., two 33 ft. roadways, and two 8 ft sidewalks. $100,000. M. L. Wilson, city engr. J. E. Greiner & Co., Union Arcade, Pittsburgh, structural engrs.

North Carolina — State Hy. Comn., Raleigh, rejected bids constructing rein.-con. bridges and culverts on State Project 213, Craven Co., $49,000; on State Project 293, Wilson Co., $32,000. Will readvertise. C. M. Upham, state highway engr.

N. C., Monroe—See "Streets and Roads."

N. C., Winston-Salem—See "Streets and Roads."

S. C., Charleston—State Hy. Dept., Columbia, takes bids in June, 1,740 ft. bridge over Ashley River, here, 20 spans, 20,000 yd. concrete. $850,000. J. L. Parker, State Highway Dept., Columbia, engr. Noted June 15.

Fla., Palatka—Putnam Co election May 1, to vote on $29,230 bonds for 7 concrete bridges on Alachua Rd. and 6 on Rice Creek Rd.

Tenn., Jacksboro — Campbell Co. plans bridges over Clinch and Powell Rivers. Engineer not selected.

Tenn., Nashville—State Legislature authorized $300,000 bond issue for strengthening and repairing Jefferson St. and Sparkman St. bridges over Cumberland River. W. W. Southgate, City Hall., engr.

Ky., Irvine—See "Streets and Roads."

Ky., Louisville—Louisville & Jeffersonville Bridge and R.R. Co., Crescent and Main Sts., plans 6 span, steel truss, superstructure on old piers, about 2,200 ft. long, over Ohio River. $4,500,000. C. A. Pennington, supt.

Mo., Youngstown—Plans bridge in Mill Creek Sewer Dist. $40,000. G. Turner, city engr.

Indiana—State Hy. Comn., Indianapolis, plans two 300 ft. steel truss bridges, each to have two 150 ft. spans, one over Mutton Creek, other over Dredge Ditch, Jackson Co., $45,000 each. W. J. Titus, state bridge engr.

S. D., Sioux Falls—Chicago, Milwaukee & St. Paul Ry. Co., 80 East Jackson Blvd., Chicago, Ill., C. F. Loweth, ch. engr., Chicago, St. Paul, Minneapolis & Omaha Ry. Co., 226 West Jackson Blvd., Chicago, Ill., H. E. Barlow, ch. eng., and Great Northern Ry. Co., 175 East 4th St., St. Paul, Minn., A. H. Hogeland, ch. engr., plan concrete and steel viaduct, over tracks at 10th St. Blvd., here. $140,000. J. E. Kirkman, Pierre, state hy. engr.

Mo., St. Louis—Missouri Pub. Serv. Comn. ordered construction of concrete and steel viaduct over Wabash R.R. tracks on Delmar Blvd. and Roselake Ave., $538,000; also depression of grade of Wabash R.R. from point north of Delmar Blvd. to point east of Union Elvd. in Forest Park. City to pay 40% of cost and railroad 60%.

Colo., Denver—Making plans takes bids about June 4, 90 ft. steel or concrete span over Cherry Creek, on 11th Ave. $35,000. A. K. Vickery, City Hall, engr.

Wash., Everett—Snohomish Co. having plans prepared one 210 ft. and one 220 ft. bridge at Arlington, and 200 ft. bridge at Monroe, steel, concrete floors and piers, 20 ft. concrete roadways. $100,000. Union Bridge Co., Central Bldg., Seattle, engrs.

Bridges (Continued)

Ont., Guelph—Wellington Co. plans several new concrete and steel bridges also retaining wall. $50,000. Prices wanted on materials. J. Beattie, St. Andrew St., Fergus, engr.

BIDS DESIRED

Mass., Haverhill—May 10, by Haverhill Lower Bridge Rebuilding Comn. at Essex Co. Commissioners office, Court House, Salem, rebuilding Haverhill Lower Bridge, over Merrimack River, here. R. R. Evans, engr.; adv. this issue.

N. C., Wentworth—May 7, by Bd. Comrs. Rockingham Co., rein.-con. or steel bridge over Dan River, at point where Fishing Creek empties into Dan River, 18 ft. roadway. W. H. Gentry, co. clk.

Alabama—May 1, by W. S. Keller, state highway engr., Montgomery, 343 ft. treated timber bridges on road from Dale Co. line to Florida State Line, Houston Co.; 719 ft. bridges on Evergreen-Belleville Rd., Conecuh Co., one 65 ft., steel span, remainder treated timber; 638 ft. bridges on Floralo Opp Rd., Covington Co., one 80 ft. steel span, remainder treated timber.

O., Dayton—Apr. 28, by Comrs. Montgomery Co., for Bridge No. 171, known as Rip Rap Bridge, 300 ft. long, 20 ft. wide, over Miami River in Wayne Twp., 1 steel truss span, 800 cu.yd. concrete. $75,000. W. O. Pease, co. surv.

Indiana—May 1, by J. D. Williams, dir. State Hy. Comn., Indianapolis, steel truss bridge, one 150 ft. and one 198 ft. steel truss spans, over Eel River, on State Rd. 9-I, Clay Co., $75,000; 198 ft. steel truss bridge over Pigeon Creek, on State Rd. 10-A, Vanderburgh Co., $45,000. W. J. Titus, bridge engr. Noted Apr. 12.

Mich., Lansing—Apr. 30, by City Clerk, 3 span rein.-con. bridge over Grand River, Seymour St. W. Bintz, city engr.; adv. this issue.

Mich., Ludington—May 8, by State Hy. Dept., Lansing, Bridges 531001 and 531002, each to have 75 ft. concrete girder span, 22 ft. roadways, near here.

Wis., Milwaukee—Apr. 30, by Dept. Pub. Wks. widening Folsom St. Bridge, 21 ft. $150,000. G. Staal, city engr.

Kan., Iola—See "Streets and Roads."

Kan., Paola—April 26, by H. Stockwell, engr., Paola, two 70-ft. and one 130-ft. steel truss spans, 526 yd. concrete, 37,940 lb. reinforcing and 178,400 lb. structural steel, for Miami Co.

Wyoming—See "Streets and Roads."

Washington—May 1, State Hy. Comn., Olympia, rein.-con. bridge over Touchet River, Columbia Co.; steel bridge with concrete approaches, over Koch Slough, near Silvana, Snohomish Co. J. Allen, Olympia, state highway engr.

Australia, New South Wales, Sydney—Nov. 30 (change of date), by New South Wales Government, superstructure and substructure of (a) cantilever or (b) arch bridge across Sydney Harbor from Dawes to Milson's Points; adv. this issue.

BIDS RECEIVED

N. Y., Fonda—E. S. Walsh, Supt. Pub. Wks., Albany, Apr. 10, bridge across Mohawk River between here and Fultonville, Barge Canal Contr. 213, from E. P. Lupfer Corp., 694 Ellicott Sq., Buffalo, $175,635; M. Vrooman, Gloversville, $177,560; M. Fitzgerald, Hudson Falls, $181,788. Noted Mar. 15.

Mich., Galesburg — State Hy. Dept., Lansing, Bridge 390304, one 90 ft. and two 60 ft. concrete girders, from Ferguson & MacDonald, Vernon, $25,656; W. Willets, Olivet, $30,762; W. Marshall & Son, Bridgeman, $31,495. Cement furnished by state. Noted Mar. 22.

CONTRACTS AWARDED

Pa., Trafford — Altering viaduct over tracks of Pennsylvania R.R., at West End and 5th St., to Farris Eng. Co., Empire Bldg., Pittsburgh, $25,732; structural steel to McClintic-Marshall Co., Oliver Bldg., Pittsburgh. Engrs. est. $30,000.

North Carolina — State Hy. Comn., Raleigh, constructing rein.-con. bridges and culverts on State Project 392, Robeson Co., to E. T. Gerathmey, Norfolk, Va. (street address not available), $54,648; State Project 971, Madison Co., to W. T. Moore Concrete Products Co., Andrews, $62,785; State Project 485A, Wake Co. and State Project 437, Harnett Co., to T. J. Newell, Clinton, $47,706 and $40,647 respectively; State Project 616, Mecklenburg Co., to W. M. Lefler, Wadeville, $67,490. Noted Mar. 15.

Okla., Pauls Valley—For 3 rein.-con. I-beam bridges, concrete foundations, to replace present wooden bridges, to Ajax Constr. Co., 1824 West Main St., Oklahoma City, $38,261. Noted April 5.

Missouri—State Hy. Dept., Jefferson City, March 24, bridges as follows:

Location	Low Bidder	Price
Cape Girardeau Creek	Vincennes Bridge Co., Vincennes, Ind	$30,010
Castor River	Vincennes Bridge Co., Vincennes, Ind	$39,467
St. Francis River, Mule and Mingo Ditches	Service Construction Co., Poplar Bluff	$36,462
Glaize and Rock Creeks	Maloney & Whalen, St. Louis, (street address not available)	$36,166
Cedar Creek	Pittsburgh, Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia.	$34,421
Tom and Mud Creeks	Maloney & Whalen, St. Louis, (street address not available)	$24,992
Nodaway River	Western Bridge & Construction Co., 748 Peters Trust Bldg., Omaha, Neb	$36,945
Big White Water Creek	Tritt Bros., Belleville, Ill	$29,458
Black Water River	Haller & Davis, Boonville	$39,965
Bawdry Lake	Ziegler & Dalton Constr. Co., Junction City, Kan.	$27,256
Byrds and Cain Creeks	Tritt Bros., Belleville, Ill	$27,019
Johnson and Turnback Creeks	Baker & Koontz, Carthage	$37,668
Little Piney River	Vincennes Bridge Co., Vincennes, Ind	$65,475
Davis Creek	Haller & Davis, Boonville	$16,648
Billies Creek	Carterville Construction Co., Carterville	$9,935
Loter Hollow Branch	Vincennes Bridge Co., Vincennes, Ind	$10,314
Saline Creek	Hogan & Humphreys, Fredericktown	$10,787
Nodaway River	R. D. Harper Construction Co., Leona, Kan.	$22,463
Little Muddy Creek	W. A. Reynolds, Marble Hill	$9,353
Old Mines and Salt Pine Creeks	St. Louis Constr. Co., 743 Frisco Bldg., St. Louis	$18,695
Branch of Fabius River	Abell Co., Linnens	$6,184
Dicks Creek	C. I. Williams, Monett	$4,460
Saline Creek	Hogan & Humphreys, Fredericktown	$10,787
Hookers Branch	Miller Constr. Co., Springfield (street address not available)	$8,310
Drainage Ditch	Highway Construction Co., Webb City	$7,767
Salt River	Abell Co., Linnens	$7,269
Sycamore Hollow	V. E. Koch, Box 604, Joplin	$5,596
Buckskin and Little White Water Creeks	Hogan & Humphreys, Fredericktown	$19,708
Drainage Ditches, 27, 28 and 8	W. D. Lenergan Construction Co., New Madrid	$18,356
Sta. 10 plus 00 and Sta. 160 plus 75	J. M. Roach & Co., Anderson	$7,223
Sta. 226 plus 07	Du Bois & Co., Pittsburg, Kan.	$6,495
Sta. 528 plus 17	Haller & Davis, Boonville	$9,298
Sta. 279 plus 65, Sta. 370 plus 44 and Sta. 377 plus 55	Cook & O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City	$27,797

Dams

PROPOSED WORK

Mass., New Boston—Farmington River Hydro-Electric Co. plans dam, 20 ft. high, 200 ft. long, 600,000,000 gal. capacity, here. $500,000. R. P. Ward, 170 Hinsdale Ave., Winsted, Conn., secy. and treas.

Conn., Colebrook River (Colebrook P. O.)—Framington River Hydro-Electric Co. plans hydro-electric station, at Colebrook River Cotton Mills. Cost to exceed $150,000. R. P. Ward, 170 Hinsdale Ave., Winsted, secy. and treas. Private plans.

Tenn., Lawrenceburg—Plans hydro electric power dam over Shoal Creek, near here, dam and plant to be designed for additional 1,000 hp. Engineer not selected.

Calif., Corning—See "Miscellaneous."

BIDS DESIRED

Pa., Spruce Creek—K. L. McClain, secy. Mid-State Sunday School Training Camp Assn., 105 East 10th St., Tyrone, taking bids dam across Warriors Mark Run, Franklin Twp., Huntingdon Co., 365 ft. long, 17 ft. high, 10 m. g. storage capacity.

Pa., North East—See "Waterworks."

Railways

PROPOSED WORK

Kentucky — Kentucky & Indiana Terminal R.R. Co., 29th and High Sts., Louisville, plans tracks for new switches and enlargement of shops and yards, 30th St. and Alford Ave. $2,000,000. W. S. Campbell, ch. engr.

Kentucky—See "Buildings, under Bowling Green."

Minnesota — Chicago, Milwaukee & St. Paul Ry., Railway Exch. Bldg., Chicago, plans 4.5 mi. spur through St. Paul to Ford plant, near High Dam. $700,000. C. F. Loweth, ch. engr.

Kansas—Chicago, Rock Island & Pacific Ry., La Salle St. Station, Chicago, plans following program 7.18 mi. second track from Latimer to Herrington, 17.64 mi. from Patico to Bishop, 4 mi. passing tracks converted to new main track, 3.5 mi. new sidetracks and passing track extensions on double track. $1,770,000. C. A. Morse, Chicago, ch. engr.

Oregon—F. Herrick Co. (being incorporated), St. Maries, Idaho, plans railroad from Crane to Seneca by way of Burns, Harney and Grant Counties. $1,000,000. Engineer not selected.

CONTRACTS AWARDED

Washington — Longview, Portland & Northern R.R., Kelso, grading 30 mi. railway from Longview to point west of Vader, to Twohy Bros., L. C. Smith Bldg., Seattle. Cost to exceed $1,000,000. Noted Mar. 15.

Washington—Spokane, International Ry., Old National Bank Bldg., Spokane, will ballast and surface various sections of road in Washington and Idaho. $75,000. Work will be done by day labor. E. G. Taber, ch. engr.

Excavation, Drainage Irrigation

PROPOSED WORK

Mo., Creve Coeur—Creve Coeur D. D. had plans prepared ditches to drain 7,000 acres land. $500,000. T. N. Jacob, 1900 Ry. Exch., St. Louis, engr.

Wash., Mt. Vernon—Comrs. Skagit Co. granted petition of 200 landowners in Padilla Bay Dist. to establish diking district embracing 9,000 acres with 7 mi. diking, 20 ft. high, 20 ft. wide at top and 100 ft. wide at bottom. $1,000,000.

Wash., Wenatchee — Douglass-Wenatchee Irrigation Dist. plans ditches and siphons to irrigate over 50,000 acres in Chelan and Douglass Counties. $6,000,000 bonds will be authorized for project. E. Gensinger, Wenatchee, member Bd. Dirs.

Calif., Corning—See "Miscellaneous."

Ont., Lambton — Having plans prepared and takes bids about Apr. 21, for dredge cut from St. Clair River to the Snye in connection with Marshy Creek Drain. $30,000. W. A. Scott, Wilkesport, engr.

B. C., Grand Forks -Having surveys made for 2nd unit of irrigation system. $40,000. D. A. Graham, city engr.

BIDS DESIRED

Pa., Phila.—See "Streets and Roads."

Wis., North Milwaukee—Apr. 23, by H. C. Webster, engr., 216 West Water St., Milwaukee, draining Sects. 1 and 2 west of here, 70,000 cu.yd. dry earth and 2,550 cu. yd. rock excav., for Milwaukee Co. Drainage Bd. $25,000.

Wis., Manitowoc—May 1, dredging Manitowoc River, incl. 23,000 cu.yd. hard pan, 70,000 cu.yd. softer material or mud. $25,000. F. H. Alter, City Hall, engr.

Ia., Des Moines—May 1 at office of C. W. Rhoads, aud. Polk Co., D.D. 38, Franklin Co., Sect. 1, 12,400 ft. main ditch, 58,400 cu.yd. excav., Sect. 2, 11,100 ft. main ditch, 57,380 cu.yd. excav., Lateral 1, 7,070 ft. long, 13,450 cu.yd. excav., Lateral 2, 5,220 ft. long, 9,690 cu.yd. excav., Lateral 3, 6,160 ft. long, 11,920 cu.yd. excav. and East Levee Ditch, 4,000 ft. long, 7,160 cu.yd. excav., etc.

Tex., Brownsville—Apr. 28, by Cameron Co. Water Impvt. Dist. 1, 15 mi. drainage ditch through northern part of district, 300,000 cu.yd. earth excav., etc. $40,000. W. O. Washington, Brownsville, engr.

Tex., Houston—May 2, by H. L. Washburn, aud. Harris Co., D.D. 12, Court House, ditch work on Brays Bayou, 27,000,000 cu.-yd. earth excav., $325,000. J. S. Burke, 1818 Walker Ave., engr.

Excavation, Drainage and Irrigation
(Continued)

BIDS RECEIVED

Calif., Oroville — Thermalito Irrigation Dist., furnishing 50,900 lin.ft. 4-24 in. riveted slip joint pipe, from Montague Pipe & Steel Co., Hobart Bldg., San Francisco, (regular bid) $71,790; Western Pipe & Steel Co., 444 Market St., San Francisco, (alternate type of pipe) $60,781. Noted Jan. 18.

CONTRACTS AWARDED

Ia., Carroll—Carroll Co., tile for drainage work to Lake View Concrete Tile Co., Lake View, $33,711. Noted Mar. 22.

Ia., Nevada—Story Co., Marshall-Story D. D. 3, 47,086 lin.ft. 8-39 in. and 6,636 lin.ft. 6 in. tile, 1,400 lin.ft. 30 in., 1,050 lin.ft .32 in. and 2,800 lin.ft. 36 in. double strength pipe, 108 lin.ft. 8 in., rein.-con. pipe, etc., in Marshall and Story Counties, to Blakemore & Jacobson, Nevada, $56,300. Noted Mar. 29.

Mo., Corning—Mill Creek Dyke & Drainage Dist., about 14 mi. open ditch, incl. main and lateral ditches, 430,000 cu.yd. dry earth excav., on part of work, excavated earth will be used as levees on each side of ditch, to Reese Constr. Co., Hamburg, Ia., $0.0966 per cu.yd. Engrs. est. $51,600. Noted Mar. 15.

Mo., Winfield—Cap-au-Gris Drainage & Levee Dist., levee and drainage ditches, 180,000 cu.yd. earth excav., to Sternberg Dredging Co., Arcade Bldg., St. Louis, $25,486. Engrs. est. $25,000. Noted Apr. 12.

Streets and Roads

PROPOSED WORK

Conn., Hartford—Plans paving various streets, 3,000 lin.ft. granite and 600 lin.ft. curved curbing, 30,000 lin.ft. flag sidewalk. $25,000. R. N. Clark, city engr.

N. Y., Lockport—Plans paving Mill St., various materials to be used. $25,000. R. Smith, city engr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., rejected bids Apr. 2, grading, curbing, laying sidewalks and asphalt paving Alburtis Ave.; also asphalt paving 88th St. Will readvertise. Noted Apr. 12.

N. Y., Rome—City Eng. Dept. and Bd. Estimate & Contr. prepared plans paving various streets. To exceed $25,000.

New Jersey—State Hy. Dept., Trenton, plans 50 mi. new road construction during 1923, incl. Morris Turnpike from Farmers Hotel to Seven Bridges Rd., Seven Bridges Rd. from Morris Turnpike to Springfield Ave., Smith Mills to westerly line of Morris Co. near Newfoundland; also build Musconetcong River Bridge, overhead bridge from Netcong to Landing, etc. W. G. Sloan, state highway engr. See Business Side of Construction. Noted Nov. 16.

N. J., Trenton — City and Mercer Co. plans paving portions Hamilton Ave., Scotch Rd., Lalor and Spruce Sts., asphalt. A. Swan, city engr. H. F. Harris, Court House, co. engr.

N. J., Trenton—Soon takes bids asphalt paving various streets. $300,000. A. Swan, City Hall, engr.

Pa., Allentown—Plans to expend $50,000 for pavements.

Pa., Catasauqua—Plans paving various streets, $60,000.

Pa., Erie—Plans asphalt pavements on 21st St., $12,350, Schley St., $12,300, Cascade St., $10,750, Cranberry St., $17,000. F. G. Lynch, city engr.

Pa., Oil City—Plans resurfacing West 3rd St. $50,000. M. Weber, city engr.

Pa., Olyphant—Plans to pave Church and Lincoln Sts. $25,000. Engineer not announced.

Pa., Palmerton—Plans to pave Harvard Rd. and Delaware Ave. $60,000. Engineer not announced.

Pa., Sayre — Plans election to vote on $30,000 bonds asphalt pavements on Lincoln, West Lockhart and Stevenson Sts.

Pa., Scranton—Plans paving Vine St., sheet asphalt on stone and concrete. $45,-010. W. A. Shunk, city engr.

Pa., Scranton—Plans to resurface Market St. with asphalt and Washburn St. with brick. $50,000. W. A. Shunk, city engr.

Pa., Warren—Plans to pave Carver St. $25,000. Engineer not announced.

W. Va., Clarksburg—Elk Dist., Harrison Co., election May 1, to vote on $120,800 bonds part hard surfacing 10½ mi. Clarksburg-Buckhannon Pike. If bonds are voted state will appropriate balance. Total cost $480,000. G. F. Coyle, co. engr.

North Carolina—State Hy. Dept., Raleigh, received no bids Apr. 3, grading and waterbound or bituminous macadam paving 8.37 mi. State Project 961 A, Macon Co. Will readvertise. C. M. Upham, state highway engr. Noted Mar. 15.

North Carolina — State Hy. Comn., Raleigh, rejected bids Apr. 4, grading and concrete or asphaltic paving 9 mi. State Project 293, Wilson Co., $268,000, 4.4 mi. State Project 151 B, Hyde Co., $72,000, 8.27 mi. State Project 961 A, Macon Co., $175,000, 10.43 mi. State Project 213, Craven Co., $350,000; grading and waterbound or penetration macadam paving 2.92 mi. State Project 930 A, Graham Co., $34,000. Will readvertise. C. M. Upham, state highway engr.

N. C., Lincolnton—Lincoln Co. plans hard surfacing 15 mi. Shelby Highway. $250,-000. R. C. Goode, chn. Bd. Co. Comrs.

N. C., Monroe—Union Co. to vote on $500,000 bonds June 9, constructing roads and bridges. A. A. Secrest, co. comr.

N. C., Winston-Salem—Plans grading, paving, curbing, bridges, water and sewer extensions. $1,501,900.

Fla., Clearwater—Pinellas Co. had plans prepared reconstructing to width of 18 ft. and vitr. paving 10 mi. Rd. 5, $100,000; paving 5.75 mi. Rd. 7, 30 ft., $250,000; paving on 4-6 in. compacted rock 76.55 mi. Rds. 1, 2, 3, 4 and 6, 16 ft., $993,000. Alternate proposals on vitr. brick, asphalt block, sheet asphalt, concrete and bituminous macadam. C. E. Burleson, Clearwater, engr.

Fla., Palatka—Putnam Co. election May 1, to vote on $34,875 bonds surfacing with shell, rock, clay or gravel 13.9 mi. Peniel Settlement, Yelvington and San Mateo-Flagler Co. line Rds., 16 ft., $84,375 bonds vitr. brick paving and granite curbing 6.25 mi. San Mateo-Dunns Creek-Federal Point Rd., 9 ft.; $364,500 bonds vitr. brick paving and concrete curbing 27 mi. Palatka-Frances Rd. to Alachua Co. line, 9 ft.; $139,050 bonds vitr. brick paving and concrete curbing 10.2 mi. Rice Creek-Clay Co. line Rd., 9 ft.

Fla., St. Augustine—St. Johns Co. election Apr. 24, to vote on $84,000 bonds paving 8.4 mi. road from Durbin to Blacks; $35,000 bonds 3½ mi. Federal Point and Hastings Blvd. Extension; $30,000 bonds 3 mi. Spuds Rd.; $84,000 bonds 8.4 mi. Elkton-Tocio Rd.; $140,000 bonds 14 mi. Tocoi Rd., alternate proposals. J. F. Rodenbaugh, St. Augustine, engr.

Fla., Tallahassee—Takes bids in May, surfacing 2,734 ft. Duval St.; 2,850 ft. Adams St.; 2,490 ft. Monroe St. Bids will be received on following types of surfacing brick, grouted, bituminous filler on concrete, concrete, Kentucky rock asphalt (without concrete base), sheet asphalt and asphaltic concrete. M. Walston, city engr.

Tenn., Greenville—Greene Co. plans to expend $200,000 for various roads, probably macadam of local limestone. Engineer not selected.

Tenn., Jacksboro — Campbell Co. sold $75,000 bonds for road between Jacksboro and Jellico. Engineer not selected.

Tenn., Nashville—Plans widening to 65 ft. and paving Church St. from 13th to 20th Aves. W. W. Southgate, City Hall, engr.

Kentucky—State Rd. Dept., Frankfort, rejected bids opened Apr. 4, constructing 9 mi. Whitley City-Tennessee State Line Rd., State Project 22, B and C, McCreary Co. Will readvertise. $150,000-$200,000. J. S. Boggs, state highway engr. Noted Mar. 8.

Ky., Henderson — Plans 25,000 sq.yd. sheet asphalt paving on concrete. $50,000. J. A. Cunningham, comr. Dept. Pub. Wks. and Property.

Ky., Irvine—Estill Co. sold $140,000 bonds for road and bridge work.

Ky., Paducah — Plans paving various streets. $150,000. H. A. Pulliam, Comr. Pub. Wks.

O., Cleveland — Plans repaving Bway., Buckeye Rd. S. E., Central Ave. S. E., Davenport Ave. N. E., Lorain Ave., Scovill Ave. S. E., Union Ave. S. E., Woodland Ave. S. E., East 9th, East 17th, East 82nd, East 84th and West 9th Sts., Euclid Ave. from East 55th St. to University Circle, Euclid Ave. from Ivanhoe Rd. to city limits, Prospect Ave. S. E. from East 9th to Ontario Sts., Prospect Ave. S. E. from East 9th to East 22nd Sts., St. Clair Ave. N. E. from Woodworth Ave. to East 140th St., St. Clair Ave. N. E. from East 140th to East 152nd Sts. $500,000. R. Hoffman, City Hall, engr.

O., Columbus—Plans grading, curbing, laying necessary water services and sewer connections and paving Milford, Melrose and Ardmore Aves., Rich and 9th Sts., and 4 alleys, brick, asphalt or concrete. R. H. Simpson, city engr.

O., Columbus — Making plans grading, curbing, laying necessary water services and sewer connections and paving 2,660 ft. McAllister Ave., Lynn and Gates Sts., alley west of Linwood Ave., 20-24 ft., brick, concrete or asphalt. R. H. Simpson, city engr.

O., Middletown—See "Waterworks."

O., Dayton—Plans curbing, guttering and paving 5,500 sq.yd. Dow St. and Lefever Ave., vitr. brick, asphaltic concrete, concrete or Kentucky rock asphalt. $28,358. I. E. Houk, city engr.

Indianapolis—State Hy. Dept., Indianapolis, plans paving 42,772 sq.yd. Federal Aid Rd. 52B, Vigo Co.; 49,538 sq.yd. Federal Aid Rd. 49B, both concrete, Steuben Co., 18,360 lb. reinforcing; 21,719 sq.yd. gravel 8 in., 3,806 lb. steel for bridge and culvert structures, Federal Aid Rd. 34A, Spencer Co., C. Gray, state highway engr.

Ind., Ft. Wayne—Allen Co. revising plans 2.5 mi. Prusse Rd., 18 ft., stone and Tarvia X. $44,089. O. M. Darling, 1211 Rivermet St., Ft. Wayne, engr.

Ind., Monticello—White Co. plans paving 3 mi. Miller Rd., 18 ft., crushed stone. $27,-355. G. A. Thomas, Monticello, engr.

Ind., South Bend—Had plans prepared and soon takes bids paving Yukon Ave., Miner and Wayne Sts., $45,070; resurfacing, probably asphalt Main St. and Colfax Ave., $27,254; grading, curbing, walks and paving 1 383 ft. Eckman St., 30 ft. $30,306. F. J. Anderson, City Hall, engr.

Ind., Warsaw—Kosciusko Co. plans grading and graveling 15,840 ft. Huffer Rd., 24 ft., $25,555; paving 16,507 sq.yd. Groninger Rd., concrete or brick, on concrete, $27,249. S. S. Boggs, Warsaw, engr.

Michigan — State Hy. Dept., Lansing, soon takes bids grading and surfacing 5 mi. road in Hillsdale, Calhoun, Jackson and Mason Counties, concrete and gravel. F. F. Rogers, state comr.

Mich., Detroit—Had plans prepared paving 8 streets, incl. 99,500 sq.yd. 3½ in. sheet asphalt on 8 in. concrete, $518,105; 5 streets with 3 in. sheet asphalt on 6 in. concrete, $72,370; 18 alleys with one course 6 in. concrete, $56,470; 23 streets with 3½ in. sheet asphalt on 8 in. concrete; 85 streets with 3½ in. sheet asphalt on 8 in concrete with Berea or Medina curbstone. J. W. Reid, city engr.

Ill., Chicago.—Bd. Local Impvts., 207 City Hall, soon takes bids concrete paving Greenwood Ave., $56,000; La Vergne and Augusta Sts., $300,000. C. D. Hill, City Hall, ch. engr.

Ill., Dwight—Takes bids in May concrete paving. $150,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Toulon—Making plans concrete paving various streets. $60,000. A. W. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ia., Clinton—Plans paving, curbing and guttering, 4th, 5th and 7th Sts., 6th, 8th and Wesley Aves.; curbing and guttering Maple and 8th Aves., 15,960 sq.yd. vertical fibre brick, sheet asphalt or bituminous macadam and 6,540 lin.ft. combined curb and gutter. Alternate bids on various types pavement. $60,000. B. R. Anderson, city engr. Noted Mar. 22.

Ia., Colfax—Making plans 9,000 sq.yd. vertical fibre brick and bitulithic pavement. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

S. D., Sioux Falls—Chicago, Milwaukee & St. Paul R.R., 80 St. Jackson Blvd., Chicago, Ill., plans to expend $45,000 in paving and grading property here. C. F. Loweth, Chicago, ch. engr.

Wyo., Casper—Making plans grading, paving, curbing and building sewers, approximately 180,000 sq.yd. pavement. $506,-000. F. S. Knittle, Box 1143, city engr.

Wyo., Cheyenne—Plans 500,000 yd. paving. Soon takes bids 30,000 yd. in 1st Dist., asphalt, concrete, macadam, brick or asphaltic concrete. Bruce & Grupe, 408 Finance Bldg., Omaha, Neb., engr.

Mo., Kirksville—Rejected bids paving 40 blocks. B. Crabtree, Kirksville, engr. Noted Feb. 22.

Tex., Ennis—Voted $60,000 bond issue for permanent paving various streets. H. McCanless, city engr. Noted Mar. 22.

Tex., Henrietta—Clay Co. plans improving roads in Henrietta and Petrolia Rd. Dists., incl. 36 mi. concrete road from Bellevue to Wichita Co. line. $675,000 bonds voted. J. F. Vaden, Henrietta and J. W. Gerard, Petrolia.

Tex., Marshall—Election early in May to vote on $50,000 bonds for street paving.

Wash., Newport—Pend Oreille Co. plans grading and surfacing 3 mi. International Pend Oreille Highway, 20 ft. Cost to exceed $25,000. J. C. Stenger, co. engr.

Wash., Seattle—King Co. takes bids about May 3, 2 mi. Dockton Molita Rd. on Maury Island. $30,000. T. R. Beeman, co. engr.

Wash., Spokane — Spokane Co. plans grading and surfacing with crushed rock (truck rolled) 104.6 mi. road, 24 ft. $1,130,-000. H. J. Doolittle, Court House, consult. engr.

Streets and Roads (Continued)

Oregon—State Hy. Dept., Salem, plans grading and gravel surfacing 14.05 mi. Project 92, Grant Co., $202,012; rein.-con. surfacing Project 96, Marion and Clackamas Counties, $63,056. R. Klein, state highway engr.

Ore., Portland—Plans to expend $600,000 during 1923 on 67 paving projects. O. Laurgaard, city engr. Noted March 1.

Calif., Santa Barbara—Santa Barbara Co. having plans prepared paving with oiled macadam 25 mi. highway in Santa Ynez Valley. $1,000,000. O. H. O'Neill, co. surv. Noted Feb. 22.

Calif., Stockton—San Joaquin Co. had plans prepared grading and surfacing 3½ mi. Harney Lane Rd., 7,700 tons crushed rock, 1,200 tons dressing for oil, 980 bbl. asphaltic oil, etc. $36,000. F. E. Quail, co. surv.

Ont., Dunnville—Plans concrete pavement on Cedar and Broad Sts. $55,000. Prices wanted on all materials. J. Clark, city engr.

Ont., Hanover—Plans to pave Main St., cement. $80,000. Prices wanted on material.

Ont., Leamington—Plans being made and takes bids latter part of month, concrete pavement on Erie St. $60,000. Prices wanted on materials. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Simcoe—Norfolk Co. voted $78,000 bonds for grading, graveling and macadamizing roads. G. R. Marston, co. engr.

Ont., Tavistock—Plans concrete pavements on Woodstock and Hope Sts. $55,000. Prices wanted on materials. A. Baechler, chn. of com.

Ont., Toronto—Plans paving ¾ mi. Jane St., 40-45 ft., bitulithic on 6 in. concrete. $183,808. R. C. Harris, city engr.

Ont., Toronto—Plans paving Campbell Ave., 4,500 sq.yd. asphalt on concrete. $33,000. R. C. Harris, city engr.

Ont., Waterloo—Plans concrete pavement on Main St. $45,000. Prices wanted on materials. J. C. Haight, city engr.

Ont., Woodstock—Oxford Co. plans to expend $80,000 on new cement highways. Prices wanted on materials. F. J. Ure, County Bldg., engr.

BIDS DESIRED

R. I., Ashland—May 9, at office of Water Supply Bd., City Hall, Providence, constructing Ashland Causeway, to carry relocated Plainfield Pike across proposed Scituate Reservoir, at village of Ashland in town of Scituate. F. E. Winsor, ch. engr.; adv. this issue.

Conn., Hartford—Apr. 24, by Bd. Contract and Supply, Municipal Bldg., for 58,400 cu.yd. 3 in. asphalt on Webster, Washington, Ann, Broad, Park from Zion to Chadwick Ave. and from City line east, $263,000; 7,000 sq.yd., 7 in. concrete on Preston St., $25,000; patching about 15,000 sq.yd. various streets, sheet asphalt, $26,000. R. N. Clark, city engr. Noted Mar. 29

Conn., Rockville—Apr. 25, by A. E. Waite, chn. Pub. Wks. Com., 6,000 lin.ft. concrete curb and gutter, 3,000 lin.ft. concrete sidewalk. $25,000. C. Bancroft, city engr. Noted Apr. 12.

N. Y., Auburn—May 1, by J. P. Jaeckel, city mgr., City Hall, improving various streets and avenues. M. F. Dullea, city engr.; adv. this issue.

N. Y., Fredonia—Apr. 23, by Village Bd. paving Maple Ave., Day and Cushing Sts., brick on concrete. $25,000.

N. Y., Lynbrook—Apr. 26, Bd. Trustees of Incorporated Village, rein.-con. pavement on certain streets, Contrs. 1, 2 and 3. P. Staudermann, pres.; adv. this issue.

N. Y., New York—Apr. 25, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading Service St. adjacent to Riverside Dr.; sidewalks on north and south sides of 108th St.; regrading, curbing, recurbing, flagging and paving Haven Ave. and Wadsworth Terrace, sheet asphalt on concrete, West 173rd St., asphalt block on concrete, West 190th St. and Wadsworth Terrace, widening and repaving widened portion roadway of Canal St., with granite block on concrete.

N. Y., Westfield—May 11, by Bd. Village Trustees, improving Union and Pearl Sts., rein.-con. or brick. J. Riley, village clk.; adv. this issue. Noted Feb. 22.

N. J., Allenhurst—Apr. 24, by Bd. Boro Comrs., 8 in. rein.-con. pavement. J. Strollo, Brent Good Bldg., Long Branch, boro engr.; adv. this issue.

N. J., Cedargrove—Apr. 25, by G. C. Bergen, purch. agt. Essex Co. Court House, Newark, grading and paving 2,830 ft. Stevens Ave., 20 ft., 8 in. rein.-con., here. $29,199. W. A. Stickel, Court House, Newark, engr. Noted Mar. 29.

N. J., Morristown—May 2, by Bd. Freeholders Morris Co., Court House, reconstructing East Main St. in town of Boonton; constructing road beginning at Passaic River at Union Co. line and extending westerly 12,700 ft. to road leading to Stirling, in Passaic Twp. F. D. Abell, dir.; adv. this issue.

Pa., North East—See "Waterworks."

Pa., Phila.—Apr. 24, by Dept. Pub. Wks., asphalt pavements on Abbotsford, Abington, Annsbury, Palethorpe, Bonsall, Boyer, Rittenhouse, Sprague, Cresheim Valley Dr., Delphine, Ella, Ruscomb, Eliet, Henley, Kingessing, Miller, Myrtlewood, Rising Sun, Mascher, Sansom, Sparks, Sydenham, 16th, 20th, 30th, 66th and 67th Sts., Schedule A; vitr. block pavements on Spencer St., Schedule B; furnishing and applying bituminous dust layer, Schedule C; removing buildings on line of Spring Garden St. between American St. and Delaware Ave., Schedule D; dredging Schuylkill River south of Spring Garden St., Schedule E; furnishing fuel oil storage tanks, Schedule G; furnishing ready mixed concrete, Schedule I. F. H. Caven, dir. Pub. Wks.

Pa., Pringle (Wilkes-Barre, P. O.)—Apr. 27, by Boro Council, grading, paving and curbing Evans St. and Conners Ave. $25,000. J. A. Boyle, 401 Bennett Bldg., Wilkes-Barre, engr.

Maryland—May 1, by State Roads Comn., Baltimore, paving 14.8 mi. State Highway, in Baltimore City, Washington, Baltimore, Prince George and Wicomico Counties, Contrs. BC-45, W-24, B-55, P-36 and Wi-24, macadam, concrete, gravel and sheet asphalt. J. N. Mackall, chn.; adv. this issue.

Md., Hagerstown—Apr. 24, at office of Bd. Street Comrs., at Mayors Office, subgrading and surfacing waterbound macadam, Summit Ave. from Howard St. to South Blvd., and Potomas Ave. from Laurel St. to Magnolia Ave. W. L. Middlekauff, pres.

Md., Towson—Apr. 26, by Baltimore Co., paving 9 900 ft. Trappe Rd., Merritt and New Pittsburgh Aves., concrete; 2 mi. Joppa and Glen Arm Rds., macadam. $100,000. S. A. Green, Towson, engr.

Va., Norfolk—April 30, at office of W. H. Taylor, 3rd, dir. Pub. Wks., curbing, grading and paving various streets, Items 1, 2, 3 and 4. C. E. Ashburner, city mgr.; adv. this issue.

N. C., Lincolnton—Apr. 24, by J. R. Gamble, mayor, 30,000 sq.yd. hardsurfacing, 13,000 lin.ft. concrete curb and gutter, 3 mi. concrete sidewalks, etc. S. M. Roper, Lincolnton, engr.

Fla., St. Petersburg—May 15, by Dir. of Finance, grading, granite or concrete curbing, brick, asphalt block, asphaltic concrete, sheet asphalt of willite process pavement. Separate bids for furnishing material. E. C. Garvin, dir. pub. wks.; adv. this issue.

Fla., Sebring—Apr. 30, by Highlands Co., paving (alternate proposals) 30 mi. road from Avon Park to Hicoria, $275,000; 14 mi. road from Hicoria to Glades Co., $75,000. Peacock & Hood, Sebring, engrs.

Fla., Starke—May 15, by Bradford Co. Comn., grading and clay surfacing 13.3 mi. Rd. 1 from Starke to Brooker. $25,000. E. R. Neff, Starke, engr.

Alabama—May 1, by W. S. Keller, state highway engr., Montgomery, grading and surfacing with sand clay and gravel 47.02 mi. road in Houston and Covington Counties, 24 ft. grading, 18 ft. surfacing; grading and gravel surfacing 10.02 mi. road, Conecuh Co., 7,000 cu.yd. imported and 18,000 cu.yd. local gravel, 24 ft. grading and 18 ft. surfacing.

Miss., Biloxi—Apr. 26, by J. J. Kennedy, mayor and city comrs. street paving, storm sewers, beach front and sea wall. M. L. Culley, Jackson, consult. engr.

La., Pointe a la Hache—Apr. 30, by J. Bernard, pres. Police Jury Plaquemine Parish, 5.48 mi. highway.

Tenn., Manchester—Taking bids and opens same about May 1, grading various roads, 15 mi. gravel, 15 mi. limestone. $250,000. N. H. Meriwether, Tullahoma, ch. engr.

Tenn., Manchester—Apr. 27, by Coffee Co. Rd. Comn., 14.47 mi. Manchester-Beach Grove Highway; 7.16 mi. Manchester-Summitville Highway; 7.51 mi. Manchester-Hillsboro Highway. N. H. Meriwether, Tullahoma, ch. engr.

Ky., Winchester—May 4, by Bd. City Comrs., City Hall, 15,000 sq.yd. sheet asphalt, concrete, Kentucky rock asphalt or asphalt macadam paving. N. A. Powell, Comr. Pub. Wks.; adv. this issue.

O., Akron—Apr. 30, by W. F. Peters, dir. Pub. Serv., grading, laying sidewalks and paving, brick or asphalt, 2,346 ft. Delia Ave., 28 ft., $31,000, 1,960 ft. Bishop St., 26 ft., $44,000, 4,081 ft. Storer Ave., 26 ft., $100,000; grading, paving and building sewers 1,500 ft. West South St., 26 ft., $39,000. E. A. Kemmler, Delaware Bldg., engr.

O., Lakewood (Cleveland, P. O.)—Apr. 23, grading, curbing and brick paving Lakeland, Athens and Owego Aves. To exceed $25,000. E. A. Fischer, City Hall, engr.

Ind., Ft. Wayne—Apr. 26, by Auditor Allen Co., paving 2.5 mi. Prusse Rd., 18 ft., stone and Tarvia. $44,089. O. M. Darling, Ft. Wayne, engr.

Ind., Greencastle—Apr. 28, by Auditor Putnam Co., paving 30,660 sq.yd. Hunter Rd., waterbound macadam. $68,980. W. P. Koehler, Greencastle, engr.

Ind., Indianapolis—Apr. 30, by Auditor Marion Co., stone and gravel surfacing 2.9 mi. Chris Schilling Rd., 30 ft., $32,636; grading and graveling 7 mi. Schaefer Rd., 18 ft., $78,489. J. J. Griffith, co. engr. Noted Apr. 12.

Ind., Logansport—Apr. 25, by Auditor Cass Co., stone paving 3.9 mi. Duffey Rd., 18 ft., $25,774; 5 mi. Gordon Rd., 18 ft., $38,203. J. Bennett, Logansport, engr.

Ind., Monticello—Apr. 25, by Auditor White Co., paving 3 mi. Miller Rd., 18 ft., crushed stone. $27,355. G. A. Thomas, Monticello, engr.

Ind., Muncie—Apr. 25, by Auditor Delaware Co., paving 14,178 sq.yd. Baldwin Rd., bituminous macadam on concrete, $26,720; 31,176 sq.yd. Calliher Rd., concrete, $84,000. L. Janney, Muncie, engr.

Ind., Warsaw—May 7, by Auditor Kosciusko Co., grading and graveling 15,840 ft. Huffer Rd., 24 ft., $25,555; paving 16,507 sq.yd. Groninger Rd., vitr. brick or concrete on concrete, $27,249. S. S. Boggs, Warsaw, engr.

Michigan—Apr. 27, by State Hy. Dept., Lansing, grading and surfacing 5.3 mi. road, Monroe Co., 18,423 cu.yd. earth excav., 56,319 sq.yd. concrete. F. F. Rogers, comr.

Mich., Alpena—Apr. 28, by Alpena Co. Rd. Comn., grading and gravel surfacing 10.568 mi. road, 42,348 cu.yd. excav., 68,200 sq.yd. gravel. S. J. Davison, engr.

Mich., Port Huron—Apr. 24, by St. Clair Co. Rd. Comn., grading and gravel surfacing 7.586 mi. road, 28,326 cu.yd. excav., 71,843 sq.yd. gravel. W. W. Cox, engr.

Wisconsin—Apr. 24, by State Hy. Comn., div. office 2, Stephenson Bldg., Milwaukee, grading and concrete surfacing 76,656 sq.yd. Lake Shore Rd., Ozaukee Co., Elkhorn-East Troy Rd., Walworth Co. A. R. Hirst, Madison, state highway engr.

Wisconsin—Apr. 25, by State Hy. Comn. at div. office 3, Nicolet Bldg., Green Bay, grading and surfacing, etc., 8.77 mi. Manitowoc-Sheboygan Rd., Manitowoc Co., Amberg-Beecher Lake Rd., Marinette Co., Breed-Mountain Rd., Oconto Co., gravel and concrete. A. R. Hirst, Madison, state highway engr.

Wisconsin—Apr. 27, by State Hy. Comn., at div. office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading and surfacing 12.13 mi. Stevens Point Rd., Waupaca Co. and Fremont-Weyauwega Rd., Portage Co., 18 ft., concrete. A. R. Hirst, Madison, state highway engr.

Wisconsin—May 1, by State Hy. Comn. at div. office 6, 213 South Barstow St., Eau Claire, grading and surfacing 11.46 mi. Red Wing-Ellsworth, Ellsworth-River Falls and Plum City-Ellsworth Rds., Pierce Co., Chelsea-Westboro Rd., Taylor Co. A. R. Hirst, Madison, state highway engr.

Wis., Milwaukee—Apr. 24, by C. R. Weymouth, div. engr. State Hy. Comn., 444 Milwaukee St., 10,542 sq.yd. concrete surfacing and 25 ft. span, etc., Brown Deer-Menomonee Falls Rd., Federal Aid Project 285, Milwaukee, Co.

Ia., Carroll—Apr. 23, paving and incidental work on Primary Rd. Projects 6 and 18, 45,000 sq.yd. concrete. Iowa Hy. Comn., Ames, engrs.

Ia., Clear Lake—Apr. 27, improving several streets, 3,558 cu.yd. earth excav., 2,224 ft. curb, 28,035 sq.yd. various types paving materials. $75,000. C. R. Wood, Mason City, engr.

Ia., Onawa—May 15, by Auditor Monona Co., grading 15.336 mi. primary roads northwest and southeast of here, 147,037 cu.yd. earth excav., etc. Iowa Hy. Comn., Ames, engrs.

Ia., Sigourney—Apr. 25, by Auditor Keokuk Co., grading 15.422 mi. primary roads northeast of here, 6,000 cu.yd. channel

Streets and Roads **(Continued)**

change, 413,900 station yd. overhaul, 313,490 cu.yd. earth excav., etc. Iowa Hy. Comn., Ames, engrs.

Minn., Mankato—May 2, by C. L. Kennedy aud. Blue Earth Co., Job 2301, State Rd. 10, 51,474 cu.yd. excav., 76,544 cu.yd. overhaul. J. W. Hruska, Mankato, engr. Noted Mar. 29.

Minn., Ortonville—May 1, by A. V. Randall, aud. Big Stone Co., 4.5 mi. Job 2301, State Rd. B, and 3.25 mi. Job 2302 State Rd. F, 52,000 cu.yd. excav., 7,500 cu.yd. gravel surfacing, portable culverts. $25,000. F. W. Engdahl, Ortonville, engr.

Minn., Redwood Falls—Apr. 24, by L. P. Larson, aud. Redwood Co., 7 mi. Job 2301, State Rd. 3, 9 mi. Job 2302, State Rd. 3, 3 mi. Job 2303, State Rd. 10, and 1.75 mi. Job 2304, State Rd. 2, 193,000 cu.yd. excav. and 219,400 cu.yd. overhaul. $50,000. J. F. O'Meara, Redwood Falls, engr.

Minn., St. Paul—Apr. 23, by H. W. Austin, city purch. agt., constructing, relaying and repairing sidewalks, various parts of city. G. M. Shepard, city engr.

Kan., Iola—May 3, by Allen Co., grading, bridging and paving 5.187 mi. Federal Aid Project 125, Sect. B, Ft. Scott-Wichita Rd., concrete or brick. A. E. Stroup, co. engr.

Neb., Falls City—Apr. 30, by City Clerk, paving Dists. 17, 22 and 24, using brick, $142,472; asphaltic concrete with Trinidad Lake asphalt $108,770; asphaltic concrete with oil asphalt $105,202.

Neb., Syracuse—Taking bids 3,000 lin.ft. curbing, 7,000 yd. vitr. brick, wood block, asphalt, concrete or bituminous concrete paving. Bruce & Grupe, 408 Finance Bldg., Omaha, engrs.

S. D., Elkpoint—Apr. 30, paving 20,000 sq.yd. various streets, concrete, vitrolithic, asphaltic concrete or sheet asphalt, 4,500 lin.ft. concrete curb. $70,000. T. H. Johnson, 319 Iowa Bldg., Sioux City, Ia., engr. Noted Jan. 4.

S. D., Mitchell—Apr. 30, (change of date) by F. McGovern, city aud., for 58.252 sq.yd. one or two course concrete or vibrolithic concrete, or 54,418 sq.yd. bitulithic or sheet asphalt pavements, 26,910 lin.ft. concrete gutter, 17,589 lin.ft. concrete curb, 287 ft. alley approaches. $250,000. F. J. Henson, city engr. Noted Mar. 29.

N. D., Devils Lake—Apr. 27, by Auditor Ramsey Co., 6.531 mi. gravel road, and 16 mi. earth road incl. 92,000 cu.yd. earth and 3,855 cu.yd. rock excav., etc. Engineer c/o State Hy. Dept., Bismarck.

N. D., Finley—May 5, by Auditor Steele Co., 7.96 mi. earth road. 47,787 cu.yd. earth and 1,600 cu.yd. rock excav., 467 sq.yd. cobble gutter, etc. Engineer c/o State Hy. Comn., Bismarck.

N. D., Towner—May 1, by Auditor McHenry Co., 4.397 mi. earth road, 30,010 cu.yd. earth and 1,300 cu.yd. work excav., etc. Engineer c/o State Hy. Dept., Bismarck.

Wyoming—Apr. 24, by State Hy. Comrs., Cheyenne, grading and surfacing, etc., 9 mi. Greybull-Cody Rd., Federal Aid Project 125, Natrona Co., $46,000; 11.3 mi. Green River-Peru Rd., Federal Aid Project 58, Sweetwater Co., $81,000; grading, surfacing, subway paving, etc., 2 mi. Cheyenne-Laramie Rd., Lincoln Highway, Federal Aid Project 46, Laramie Co., $170,000; grading, surfacing, and one 123 ft., one 80 ft. and two 24 ft. concrete bridges, on U-Cross-Double Crossing, Federal Aid Project 116 B, Sheridan Co., $50,000. Z. E. Sevison, state highway engr.

Tex., Marshall—Apr. 24, by J. W. Scott, co. judge, treating with asphalt and stone (inverted penetration method) 23.41 mi. State Highway 11, 16 ft. $37,000. G. A. McClellan, co. engr.

Washington—May 1, by State Hy. Comn., Olympia, concrete paving 4.85 mi. Sunset Highway, Spokane and Lincoln Counties; gravel surfacing 4.23 mi. Sunset Highway from Preston to Falls City, King Co.; grading approach to Nesika bridge on National Park Highway, Lewis Co.; 6,000 cu.yd solid rock excav., grading, etc. 8.78 mi. Olympic Highway from Agnew to Port Angeles, Clallam Co.; 6.89 mi. Pacific Highway from Bellingham to Ferndale, Whatcom Co. J. Allen, Olympia, state highway engr.

Wash., Centralia—May 1, grading and paving 35,000 sq.yd. in Dists. 59 and 60, 6 in. concrete. N. W. Avery, Centralia, engr.

Wash., Seattle—Apr. 30, by King Co., paving 11,842 sq.yd. White Center-Lake Burien Rd., 7 in. concrete. $30,000. T. R. Beeman, co. engr.

Calif., Chico—City Trustees receiving bids curbing, guttering, grading and paving Dists. 1, 2 and 3, 485,850 sq.ft. 1½ in. warrenite bitulithic on 2½ in. black base, 209,400 sq.ft. 1½ in. warrenite bitulithic on 3½ in. black base, 131,200 sq.ft. 1½ in. warrenite bitulithic on 4 in. white base, 824,450 sq.ft. grading, etc. F. S. Robinson, city engr.

Calif., Hayward—Apr. 25, by M. B. Templeton, city clk., grading, concrete curbing, guttering and paving with 2 in. asphaltic concrete, on 3½ in. base, B St., 110,000 sq. ft. grading, etc. J. B. Holly, 508 17th St., Oakland, engr. Noted Apr. 5.

Calif., Madera—Apr. 23, by W. C. Utter, city clk., grading, concrete curbing, guttering and paving portions 6th and B Sts., 107,136 sq.ft. grading, 99,391 sq.ft. 2½ in. bituminous base, 1½ in. surface, etc.; West Yosemite Ave., 114,644 sq.ft. grading, 107,899 sq.ft. 2½ in. bituminous base, 1½ in. surface, etc. A. M. Acton, city engr. Noted Apr. 5.

Calif., Stockton—Apr. 24, by City Council, grading, concrete curbing, guttering and surfacing portions Harrison, Jefferson, Lincoln and Worth Sts., etc., 194,928 sq. ft. 2 in. asphaltic macadam on 4 in. cement gravel. W. B. Hogan, city engr. Noted Mar. 29.

Ontario — Apr. 30, by W. A. McLean, deputy minister highways, Toronto, 8.55 mi. concrete pavements, $250,000, 2.2 mi. asphalt pavements, $100,000, 7.4 mi. bituminous penetration pavement, all foregoing 20 ft. wide, $120,000, 8.2 mi. macadam base, $90,000, 12.6 mi. grading, $120,000, concrete bridge abutments, $50,000. G. Hogarth, 110 University Ave., Toronto, ch. engr.

Quebec—May 3, at office J. L. Boulanger, deputy minister highways, Quebec, gravelling 30.98 mi. and macadamizing 23.73 mi. highways.

BIDS RECEIVED

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, Apr. 11, curbing, laying cement sidewalks on (1) West 25th St., laying cement sidewalks on (2) West 32nd St. asphalt paving (3) Carroll St. (4) East 7th St. (5) East 17th St. (6) East 34th St. (7) Ave I (8) Ave I (9) 55th St., grading, curbing and flagging (10) Ave. I from Simonelli & Son, Inc., 26 Conselyea St., (1) $2.032 (2) $2.230; Borough Asphalt Co., 1301 Metropolitan Ave., (3) $9,888 (4) $9,859 (5) $21,461 (6) $6,470 (7) $17,529 (8) $16,417 (9) $8,480; Cleveland Trinidad Paving Co., Flushing, (3) $10,000 (7) $17,311 (8) 16,206; Cranford Co., 52 9th St., (3) $10,063 (4) $9,782 (5) $21,472 (6) $6,699 (7) $17,747 (8) $16,445 (9) $8,353; Uvalde Asphalt Paving Co., 1 Bway., New York, (4) $9,948 (5) $21,038 (6) $6,737 (9) $8,590; Ferguson &McGuire, 419 Atlantic Ave., Lynbrook, (10) $4,730. Noted Apr. 5.

N. Y., Buffalo—For laying and repairing sidewalks for year ending Dec. 31, 1923, 3-in. base, from Peoples Paving Co., 85 Roma Ave., $0.1423 per sq.ft., W. F. Hahn, 26 Spiess St., $0.1465, G. Casciani, 110 Roma Ave., $0.1489; extra strength, from W. F. Hahn, 26 Spiess St., $0.2275 per sq.ft., F. Ursitti, 1486 East Delavan Ave., $0.28, Delmonto Paving Co., 1537 Fillmore Ave., $0.28.

N. Y., Coney Island (Brooklyn, P. O.)—Park Bd., Municipal Bldg., New York, Apr. 10, concrete parking space at Dreamland Park, here, from M. J. O'Hara, 557 3rd St., Brooklyn, $96,000; Necaro Co., Inc., 97 Court St., Brooklyn, $109,000; P. J. Donlon, 82 South 3rd St., Brooklyn, $130,000; Awixa Corp., Mt. Vernon, $130,000. Noted Apr. 5.

Delaware—State Hy. Dept., Dover, (1) 3.58 mi. Contr. 25 B (2) 3.455 mi. Contr. 32 (3) 2.895 mi. Contr. 37 (4) 0.25 mi. Contr. 37 A (a) c.i. pipe (b) concrete, from Sherman & Rhodes, Frederica, (1b) $126,478 (4) $17,100; Golove Eng. & Constr. Co., Phila., Real Estate Trust Bldg., (1a) $160,041 (1b) $158,073; Baton Constr. Co., Phila., 1713 Samson St., (1a) $167,532 (1b) $165,672; Sutton & Corson Co., 9th and Simpson Sts., Ocean City, N. J., (1a) $171,341 (1b) $169,717 (2a) $166,712 (2b) $164,962 (3a) $135,682 (3b) $134,381; M. Staub, 21 Wildwood St., Pitman, N. J., (2a) $174,320 (2b) $169,373 (3a) $126,620 (3b) $123,036; Development & Constr. Co., Amer. Bldg., Baltimore, Md., (2a) $179,999 (2b) $178,504 (4) $18,900; W. Eisenberg, Woodbine, N. J., (3a) $138,311 (3b) $136,281; A. L. Orrell, Odessa, (4) $17,200. Noted Mar. 29.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 24,500 sq.yd. Contr. S-17, Somerset Co., from Hannamann-Burroughs Co., Salisbury, $101,293, Roberts Paving Co., Vickers Bldg., Baltimore, $104,327, P. D. Phillips & Bros., Salisbury, $107,675; 15,800 sq.yd. Contr. Co-32, Caroline Co., from Webster Constr. Co., East New Market, $40,613, Holt Constr. Co., Federalsburg, $42,814, J. R. Phillips, Hurlock, $43,343; 6,500 sq.yd. Contr. P-44, Prince George Co., from Tydings, Marine Co., Knickerbocker Bldg., Baltimore, $18,784, Ward & O'Connell, New Amsterdam Bldg., Baltimore, $19,206; 10,300 sq.yd. Contr. F-63, Frederick Co., from L. R. Waesche, Thurmont, $32,325, Gosnell, Russell & Co., Frederick, $35,626; 13,250 sq.yd. Contr. Ho-23, Howard Co., from Christhilf & Ensey, 1625 Ridgely St., Baltimore, $51,083, F. D. Carozza, Munsey Bldg., Baltimore, $52,157, A. M. Mayer, Relay, $52,285; 9,000 sq. yd. Contr. D-31, Dorchester Co., from Holt Constr. Co., Federalsburg, $29,284; 6,700 sq.yd. Contr. Q-25, Queen Annes Co., from J. K. Flick, Sudlersville, $20,760, Webster Constr. Co., East New Market, $20,791. Noted Mar. 29.

Kentucky—State Rd. Dept., Frankfort, grading, etc., using (a) vitr. pipe (b) concrete pipe, 11.297 mi. Mayo Trail, Federal Aid Project 77, State Project 6, Sect. B, Johnson Co., from Dempster Constr. Co., 721 North Central St., Knoxville, Tenn., (a) $250,423 (b) $246,570, Hunt & Forbes, Ashland, (a) $276,346 (b) $273,037, R. G. Hill Co., 309 Amer. Bank Bldg., Knoxville, Tenn., (a) $279,014 (b) $275,424; 19.618 mi. Mayo Trail, Federal Aid Project 78, State Project 6, Sect. B, Lawrence Co., from J. M. Cane & Co., Louisa, (a) $312,848 (b) $313,435, Goodwin-Wade-Wallace, Williamson, W. Va., (a) $353,698 (b) $345,946; R. G. Hill, 309 Amer. Bank Bldg., Knoxville, Tenn., (a) $412,388 (b) $410,872; 8.301 mi. Lexington-Covington Rd., Grand Co., from Mills & Connolly, Brooksville, (b) $252,726, E. J. Neffle, New Port, (a) $274,499, J. M. Billeter, Covington, (b) $299,165; grading and paving with (1) rein.-con. (2) bituminous macadam penetration type (3) rock asphalt, 8.501 mi. Louisville-Bardstown Rd., Federal Aid Project 86, State Project 3, Sect. A, Bullitt, Spencer and Nelson Counties, using (c) modified telford base and vitr. pipe (d) modified telford base and concrete pipe (e) nap limestone base and vitr. pipe (f) nap limestone base and concrete pipe, from Breslin & Durrett, Louisville, (street address not available), (1a) $538,706 (1b) $538,246 (2) $396,629, Wilmore Constr. Co., Wilmore, (2) $321,012 (3c) $389,839 (3d) $388,289 (3e) $376,090 (3f) $374,539, Billeter & Wiley, Covington, (2) $365,350 (3e) $419,434 (3f) $418,037, H. Bickel & Co., 443 Garden St., Louisville, (3e) $426,151 (3f) $424,833. Noted Mar. 8.

Indiana—State Hy. Dept., Indianapolis, Apr. 10, paving 51,130 sq.yd. Federal Aid Rd. 49A, Steuben Co., from J. C. O'Connor & Sons., Ft. Wayne (street address not available), $135,116, W. L. Johnson Constr. Co., Hicksville, O., $135,818, Brennerman, Gordon & McAfee, Bluffton, $138,835; 15,611 sq.yd. Federal Aid Rd. 6B, Putnam Co., from Kerr & Murphy, Bloomington, $27,039, Foulkes Contg. Co., Cherry and Water Sts., Terre Haute, $32,497; 73,579 sq.yd. Federal Aid Rd. 21 D and E, Scott Co., 77,808 sq.yd. concrete base, from Hobbs, Davis Constr. Co., Tipton, $149,016, Courtwright, Hiny & Wheeler, Crown Point, $159,955, Wabash Contr. Co., Vincennes, $164,855; 90,624 sq.yd. Federal Aid Rd. 21A, Jackson Co., from Wabash Constr. Co., Vincennes, $173,015, Highway, Building & Constr. Co., Indianapolis (street address not available), $179,597, L. P. Beard Constr. Co., 18 Aetna Bldg., Indianapolis, $184,198; 23,015 sq.yd. Federal Aid Rd. 40C, Marion Co., from G. T. Miller, Lebanon, $40,991, Standard Paving Co., Anderson, $46,030, S. M. Timberlake Co., 236 Amer. Central Life Bldg., Indianapolis, $48,744; 39,392 sq.yd. Federal Aid Rd. 19B, Perry Co., from Ellis & Scamahorn, Rockport, $31,937, J. O. Saunders, Rockport, $32,214, W. R. Hines, Frankfort (street address not available), $32,288; 56,658 sy.yd. Federal Aid Rd. 52A, Vigo Co., from F. Cunningham, 2161 North Meridian St., Indianapolis, $127,050; combination bid on Federal Aid Rds. 35C and 52A, Vigo and Sullivan Counties, from Carpenter Constr. Co., Terre Haute (street address not available), $162,234, Wabash Constr. Co., Vincennes, $165,349, Pfizenmeyer Constr. Co., Terre Haute (street address not available), $174,517, all foregoing concrete; 49,968 sq.yd. gravel base Federal Aid Rd. 19A, Perry Co., from Harshman & Jarrell, Frankfort (street address not available), $41,245. Noted Mar. 29.

Ind., Terre Haute—Vigo Co., paving 25,956 sq.yd. Devonald Rd., concrete, from J. M. Robertson, Terre Haute (street address not available), $57,286, Layne Bros., Terre Haute (street address not available), $59,516, P. J. Welch, 817 South 5th St., $65,423. Engrs. est. $77,780. Noted Apr. 4.

Michigan — State Hy. Dept., Lansing, Apr. 3, grading and surfacing 4.145 mi. Federal Aid Project 71, Sect. A, Charlevoix Co., from Remus Constr. Co., Remus, $71,508; Charlevoix Abstract & Eng. Co., Charlevoix, $72,416; Pierson & Allswede, Hersey, $76,081. Noted Mar. 22.

Streets and Roads (Continued)

Michigan — State Hy. Dept., Lansing, grading and surfacing 2.368 mi. State Trunk Line Rd. 34-2 Sect. A, and 34-6, incl. 9,704 cu.yd. excav., 27,874 sq.yd. concrete, from W. L. Johnson Constr. Co., Hicksville, O., $45,562; Bishopp & Rowlsen, Hillsdale, $46,794; Townsend, Shuttleworth & Ballmer Co., 306 South Capitol St., Lansing, $52,328. Noted Mar. 29.

Michigan — State Hy. Dept., Lansing, grading and surfacing 5.973 mi. State Trunk Line Rd. 11-25, Oceana Co., from Pierson & Allswede, Hersey, $130,691; New Era Road Bldg. Co., New Era, $147,121; G. P. Schail, Muskegon, $149,307. Noted Mar. 22.

Missouri—State Hy. Dept., Jefferson City, Mar. 24, (1) 2.923 mi. State Project Route 16, Sect. 83, Stoddard Co. (2) 3.655 mi. State Project Route 9, Sect. 103, Bollinger Co. (3) 2.695 mi. State Project Route 1, Sect. 2, Mercer Co. (4) 5 mi. State Project Route 7, Sect. 86, Texas Co. (5) 4.987 mi State Project Route 2, Sect. 21, Saline Co. (6) 4.167 mi. State Project Route 9, Sect 141, Pemiscot Co. (7) 4.942 mi. State Project Route 14, Sect. 41, Pulaski Co. (8) 4.058 mi. State Project Route 9, Sect. 142, Pemiscot Co. (9) 1.638 mi. State Project Route 7, Sect. 102, Oregon Co., from Surface Construction Co., Poplar Bluff. (1) $109,738; Energy Constr. Co., Poplar Bluff. (1) $110,463; Hogan & Humphreys, Fredericktown, (2) $19,030; Cameron-Joyce & Co., Keokuk, Ia., (2) $19,405; (3) $13,832; W. A. Reynolds, Marble Hill, (2) $20,444; M. Haase, Trenton, (3) $12,376; A. L. Cook, Ottawa, Kan., (3) $13,835; Summerfield, Jones & Co., Springfield (street address not available), (4) $13,604 (9) $7,251; Clay Gregory, Newport, Ark., (4) $15,939 (7) $29,090; Allhands & Davis, 705 Frisco Bldg., Joplin, (4) $16,096 (9) $7,485; Haller-Davis, Boonville, (5) $58,515; A. J. Crosby, Leeds, (5) $60,053; Cook-O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, (5) $60,587; Lawrence Constr. Co., Jackson, Miss., (6) $122,597 (8) $137,286; Harrison Eng. & Constr. Corp., Wichita, Kan. (street address not available), (6) $129,816 (8) $134,427; J. W. Etchison, Casey, Ill., (6) $128,530; O. A. Nickels, Laquey, (7) $28,949; M. E. Gillioz, Monett, (7) $29,249; W. D. Lenergan Constr. Co., New Madrid, (8) $141,469; Davis Constr. Co., Mammoth Springs, Ark., (9) $7,922. Noted Mar. 15.

Colo., Denver—Concrete curbing and grading 10 mi. in North Denver Impvt. Dist. 30, from J. Collier, 63 South Logan St., $79,162; J. V. Stryker Constr. Co., 3262 Blake St., $73,240; Gibbons & Lawrence Constr. Co., South Elate and Bayaud Sts., $81,420. Engrs. est. $81,000. Noted Mar. 29.

Colo., Denver—Concrete paving (1) 12 blocks Alley Paving Dist. 90, (2) 12 blocks Alley Paving Dist. 89, (3) 12 blocks Alley Paving Dist. 88, (4) 12 blocks Alley Paving Dist. 87, from A. J. Collins, 2363 Blake St., (1) $21,973, (2) $21,119 (3) $22,235; J. F. Roberts Constr. Co., Tramway Bldg., (1) $22,886 (2) $22,498 (3) $21,210 (4) $17,024; Stack Bros. Constr. Co., 338 South High St., (1) $23,192 (2) $22,301; R. M. Larsen, 1309 Kalamath St., (3) $22,605 (4) $18,340. Noted Mar. 29.

Ariz., Phoenix—Paving Coronado Rd. between Central Ave. and 7th St., from Pacific Constr. Co., Home Builders Bldg., bitulithic $2.19 per sq.yd. total $28,753; Phoenix Tempe Stone Co., Home Builders Bldg., concrete, $2.21, total $29,112.

Wash., Seattle—Grading Brandon St. et. al., 24,700 cu.yd. earth excav., from G. J. Banderet, Bryn Mawr, $33,884. C. L. Creelman, 1079 25th St. N., $35,352. E. C. Parks, 522 Valley St., $38,505. Engrs. est. $33,260.

Calif., Martinez—Grading, curbing, guttering and paving portions Mason, Castro and Haven Sts., etc., from J. T. Sayles, Martinez, $87,305; J. A. Dowling, c/o Federal Constr. Co., Call Bldg., San Francisco, $90,894; Municipal Impvt. Co., 306 12th St., Oakland, $92,765. Noted Apr. 5.

Calif., Palo Alto — Improving Southgate Sub-Division, 250,000 sq.ft. 5 in. concrete 20,000 sq.ft. cement walks and 20,000 lin.ft. concrete curb, etc., from Shattuck Constr. Co., Underwood Bldg., San Francisco, $0.184 per sq.ft. for paving. Noted Apr. 5.

Calif., San Diego—Common Council Apr. 9, concrete curbing, guttering, laying sewers and paving 18th St. between Bway. and Imperial Ave., 169,759 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous base, etc., from G. R. Daley, 4430 Boundary St., at $0.178 per sq.ft.; Warren Constr. Co., Granger Bldg., $0.178; Griffith Co., 25 14th St., $0.183. Noted Mar. 29.

Calif., San Francisco — City and San Francisco Co., grading, curbing, laying sewers and paving 27th, 28th and 29th Aves. between Ulloa and Vicente Sts., from Pacific States Constr. Co., Call Bldg., $38,477; Raisch Impvt. Co., 46 Kearny St., $39,256; Fay Impvt. Co., Phelan Bldg., $40,191. Noted Mar. 29.

Calif., Santa Rosa — Grading and warrenite paving portions Wilson, A, Cherry and Davis Sts., from Warren Constr. Co., Bacon Bldg., Oakland, $47,180. Noted Apr. 5.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, paving highway in Stafford, 8,500 sq.yd. 7 in. native stone macadam, to L. J. Wilcox, Norwich, $13,901; 1,550 cu.yd. plain concrete in Bristol, to A. DeMarko, Bristol (street address not available) $14,825; 6,900 cu.yd. concrete paving in Plainville and New Britain, to Osborne & Barnes, 20 West St., Danbury, $71,700; 28,300 sq.yd. bituminous macadam in East Hartford and Manchester, to Miller Bros. Co., Bloomfield, $56,117; 6,865 ft. asphalt in Stratford, 39 ft., to Warren Bros., 142 Beckley St., Boston, Mass., $90,000. Noted Apr. 12.

Conn., Manchester—Paving 4,000 ft. Main St., 80 ft., 3 in. asphalt on 6 in. concrete, to E. Balf, 26 State St., Hartford, $92,000. Engrs. est. $100,000.

N. Y., Jamestown—Will pave 1,039 ft. Union Ave., engrs. est. $25,000, 1,202 ft. McDanell Ave., $25,000 and 1,450 ft. Myrtle St., $35,000, all brick on concrete, by day labor, under supervision of Bd. Estimate & Review, City Hall. L. Bergman, city engr.

N. Y., Jamestown—Will pave 1,497 ft. Park St., $25,000-$35,000; 1,606 ft. Hedges Ave.; 3,460 ft. Hopkins Ave., $50,000; 1,340 ft. Cherry St., $30,000; all 40 ft. wide, brick on 5 in. concrete, under supervision of Bd. Estimate & Review. L. Bergman, city engr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to Peace Bros., Inc., 15 Lawrence St., Flushing, grading, curbing and laying sidewalks on Lent Ave. $14,228, 41st St. $7,815, grading and bituminous macadam paving 100th St. $14,229, repaving within railroad area in State St. $4,753; to Welsh Bros. Contg. Co., 32 Queens St., grading, curbing and laying sidewalks on Trumble Ave. $8,330; to J. J. O'Brien, Jr., William St., Jamaica, 88th St. $9,530; to W. J. Fitzgerald, 547 West 45th St., New York City, 108th St. $14,698, asphalt paving Crescent St. $13,975, 41st St. $13,961; to W. H. Geoghegan Realty Co., Inc., grading portions of Beach Dr., etc., $21,282; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, recurbing and sheet asphalt paving Centre St. $11,050, curbing, laying sidewalks and asphalt paving Hull Ave. $7,490. Noted April 12.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., to Casper Helbock Co., Harlem River and 150th St., paving White Plains Rd., granite blocks, $259,893; to C. D. Beckwith, Inc., 2875 Bway., Fulton Ave., granite block $41,634, Rae St. sheet asphalt $6,683, West 179th St. bituminous macadam $18,017, West 170th St. bituminous macadam $21,942; to Asphalt Constr. Co., 208 Bway., Ryer Ave., asphalt blocks, $59,774; to Spadero Contg. Co., 827 East 217th St., grading, building inlets, etc., on Taylor Ave. $32,406, grading, curbing, laying sidewalks on Liebig Ave. $11,910; to C. De Blasio, Knox Pl., $8,095; to F. Henretti, Bryant Ave., $21,682. Noted April 12.

N. Y., White Plains—Bd. Supervs. Westchested Co., Court House, to Roberts & Lemongelli, Ridgfield, Conn., paving 1.02 mi. Co. Rd. 4, in town of Mt. Pleasant; to F. G. Fowler Constr. Co., 77 Carpenter Ave., Mt. Kisco, 3.63 mi. Co. Rd. 12, Bedford and North Castle, 2.96 mi. Co. Rd. 13, Yorktown, all rein.-con. Noted Mar. 22.

N. J., Freehold—Monmouth Co. reconstructing Sea Bright Highlands Rd. 54, Freehold-Eatontown Rd. 42, Sect. 1 and Farmingdale-Manasquan Rd. 34, Sect. 1, to Jannarone Contg. Co., 225 Passaic Ave., Belleville, N. J., $147,458. Noted Mar. 29.

Pa., Corry — Paving 1st Ave., West Washington and Center Sts., concrete and brick, to Keystone Constr. Co., Meadville. Engrs. est. $25,000. Noted Jan. 25.

Pa., Edgewood — Grading, paving and curbing Braddock Ave. from Allen to Monongahela Sts., to C. Donatelli, 7515 Tioga St., Pittsburgh Engrs. est. $30,000.

Pa., Erie—Asphalt pavements on State and Sassafras Sts., to F. G. Andrews, 907 West 10th St., $65,051.

Pa., Hastings—Boro. Council, concrete paving 2,715 sq.yd. Main St., to Lord Constr. Co., Hastings, $26,053. Noted March 15.

North Carolina — State Hy. Comn., Raleigh, clearing, grading, concrete paving, rein.-con. bridge and culverts on 11.83 mi. State Project 115, Chowan and Perquimans Counties, to Smith Bros., Inc., Dallas, Tex. (street address not available), $296,635, 7.97 mi. State Project 578, Randolph Co., to Allport Constr. Corp., Mutual Bldg., Richmond, Va., $280,489; grading and concrete paving 12.89 mi. State Project 329, Columbus Co., to J. O. Heyworth, Harvester Bldg., Chicago, $365,013, 3.53 mi State Project 713, Ashe Co., to Overstreet & Nance, Bradford, Va., $132,530; grading 7.35 mi. State Project 485A, Wake Co., to C. G. Kershaw Contg. Co., Woodward Bldg., Birmingham, Ala., $36,676, 7.43 mi. State Project 457A, Orange Co., to Dicus Bros., Sanford, $50,850; clearing, grading and topsoiling 10.74 mi. State Project 437, Harnett Co., to F. P. Holder, Jefferson, Ga., $51,180, 8.59 mi. State Project 618, Cabarrus Co., to L. J. Smith Constr. Co., Trust Bldg., Charlotte, $41,796; grading, asphaltic paving on concrete and rein.-con. bridges and culverts on 10.18 mi. State Project 944, Haywood Co., to A. J. Wardrep, Holston Bank Bldg., Knoxville, Tenn., $372,439, 8.57 mi. State Project 6-43, Iredell Co., to Stearns Bros., Inc., Statesville, $292,377; clearing, grading and topsoiling etc. 22.5 mi. State Project 570, Moore Co., to A. B. McDonald, Hamlet, $81,649. Noted Mar. 15.

N. C., Leaksville—Granite curbing, concrete curb and gutter, sewers and asphaltic paving various streets, to Hedrick Constr. Co., Lexington, $189,744. Noted Apr. 5.

N. C., Newton—For 30,000 sq.yd. paving, probably asphaltic on concrete, to Stearn Contg. Co., Charlotte, (street address not available). Engrs. est. $85,000. $90,000. Noted Apr. 5.

S. C., Easley—Grading, curbing, guttering and paving 25,000 yd. East and West Main, 5th, Folger and Pendleton Sts., asphaltic concrete and sheet asphalt, to Carolina Contg. Co., Chester. Engrs. est. $100,000. Noted Apr. 29.

Fla., Tampa—Grading, curbing and paving 13th St., 16,800 sq.yd. 3 in. asphalt blocks, etc., to W. L. Harwell, 721 South Orleans Ave., $47,664; Palmetto Ave., to O. Carlson, 1023 So. Dakota St., $4,178; Melville Ave., to Cone Bros., Tampa (street address not available), $17,203. Noted Mar. 8 and 22.

Fla., Tampa—Resetting curb and paving Swann Ave. and 9th St., 8,100 lin.ft. concrete curbing, 8,580 sq.yd. 2½ in. asphalt block, 1,200 cu.yd. shell, 300 lin. ft. concrete sidewalks, to W. L. Harwell, 721 South Orleans Ave., $25,864.

Fla., Tavares—Lake Co., grading and sand clay surfacing 8 mi. Rd. 1, Southern Lake Co. Special Road and Bridge Dist., to W. T. Howey, Howey, $38,352. Noted Mar. 29.

O., Akron—W. F. Peters, dir. Pub. Serv., to V. Olson Contg. Co., 501 Herberich Bldg., grading, laying sidewalks and brick paving, 4,000 ft. Bellows, Crossier and Washington Sts., $95,458, 2,200 ft. West North St., $54,144; to Hollinger & Davidson, 435 Bway., Springdale St., $11,545; Schroeder & Caputo, (address not available) grading and laying walks in Rothrock Ave., $3,432, Hite St., $8,975. Noted Apr. 12.

O., Cincinnati—Hamilton Co. grading and paving 31.130 sq.yd. Blue Ash Rd., bituminous macadam, to J. S. Slone, 2313 Mound St., Norwood, $32,514. Engrs. est. $44,951. Noted Apr. 5.

O., Cleveland—Grading, curbing and brick paving on 6-in. concrete 10,700 sq.yd. Corlett Ave., to Enterprise Paving & Constr. Co., 8444 Bway., $69,183; West 34th St., to Roehl Bros., West 25th St. and Clark Ave., $4,568; Svec Ave., to A. M. Pejsa, Euclid Heights Blvd., $30,572; Damon Ave., to H. G. Herring, Pavers Exch., Society for Savings Bldg., $14,401; Glenside Rd., to Gould & Maybach, 823 East 150th St., $14,089; East 11th and East 119th Sts., to Bentley Bros., Union Bldg., $35,127. Noted March 29 and April 12.

O., Cleveland—Grading, curbing and paving East 145th St., 4,980 lin.ft. stone curb and 4-in. tile drain gutter, 3,400 cu.yd. earth excav., 7,255 sq.yd. asphalt on concrete, to Baldwin Bros., 4500 Euclid Ave. $35,345.

O., Garfield Heights (Cleveland, P. O.)—Paving Rockwood and Ridgewood Rds. brick on concrete, to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $52,478.

Ind., Boonville—Warrick Co., grading and graveling 5 mi. Lynn-Tyring Rd., 18 ft., to Fowler & Owens, Newburg, $33,495. Engrs. est. $36,220.

Ind., Greensburg—Decatur Co., paving 60,718 sq.yd. John McCoy Rd., concrete, to Freeland & Brown, Greensburg, $172,424. Engrs. est. $228,090. Noted Apr. 12.

Ind. Hammond—Lake Co., grading and graveling 3.5 mi. E. A. Surprise Rd., 16 ft., to J. Brannock, Lowell, $30,545, engrs. est. $31,136; 4 mi. Charles Boyd Rd., 16 ft., to Courtright, Hiney & Wheeler, Crown Point, $28,060, engrs. est. $36,784.

Ind., Indianapolis—Marion Co., grading and graveling 3.1 mi. Charles Harting Rd., 16 ft., to Park & Williams, Southport, $25,665. Engrs. est. $25,836. Noted Apr. 5.

Streets and Roads (Continued)

Ind., Martinsville—Morgan Co., grading and graveling 4 mi. Gant Rd., 18 ft., to G. Brown, Coatsville, $25,350. Engrs. est. $28,231.

Ind., Rising Sun—Ohio Co., grading and macadamizing 32,824 sq.yd. Hanna Rd., to McIntire, Hopping & Rininger, Cleves, O., $27,995. Engrs. est. $31,139. Noted Mar. 8.

Ind., Wabash—Wabash Co., grading and graveling 1,874 ft. and asphalt surfacing 7,515 ft. H. H. Dare Rd., 16 ft., to Pike Constr. Co., Wabash, $50,400. Engrs. est. $37,250.

Mich., Bad Axe—Huron Co. Rd. Comn. grading and gravel surfacing 7½ mi. road in Lincoln and Bloomfield Twps., to H. Graham, Bad Axe, $49,800; 7 mi. road in Dwight, Huron and Port Austin Twps., to Bad Axe Constr. Co., Bad Axe, $63,230; 8 mi. in Chandler, McKinley and Winsor Twps., to W. Maxwell, Hope, $62,000.

Ill., Elmhurst—Concrete paving various streets, to Standard Paving Co., 326 West Madison St., Chicago. Engrs. est. $25,000. Noted Apr. 5.

Ill., Villa Park—Concrete paving various streets to J. Mackler, Chicago Heights. Engrs. est. $25,000. Noted Apr. 5.

Wis., Kenosha—Asphalt paving 16 streets to Western Impvt. Co., 840 9th St., Racine, $257,317; 9 streets to White Constr. Co., 68 Wisconsin St., $134,023. Noted Mar. 1.

Wis., Milwaukee—Harbor Comn., City Hall, 115,000 cu.yd. grading area adjacent to harbor entrance, to Schoonmaker Constr. Co., 373 Bway., $0.46 per cu.yd.

Ia., Burlington—Paving 15 blocks Market and 3rd Sts., 3-in. vertical fibre brick, to Matthes Coal & Constr. Co., Davenport, $100,000.

Ia., Colfax—For 22,000 yd. bitulithic pavement, to J. Horrabin, 1422 Walnut St., Des Moines $3.11 per sq.yd.

Ia., Decorah—To F. Carlson, Decorah, 1 course concrete paving (1) 3,000 sq.yd. alley paving, East Bway. and Court Sts., $2.38 per sq.yd.; (2) 10,150 sq.yd. Water St., $2.52 per sq.yd.

Ia., Marshalltown—To A. Carlson, Marshalltown, 34,017 sq.yd. concrete paving $2.18, and 29,523 lin.ft. concrete curb $0.48 per ft. Noted Jan. 11.

Ia., Waterloo—To Bryant Paving Constr. Co., Waterloo, 95,000 sq.yd. concrete paving and 12,000 sq.yd. resurfacing old asphalt pavement, incl. grading, curbing, etc., $250,000.

Minn., Hastings—Dakota Co., Job 2315, State Rd. 15, 39,409 cu.yd. earth and 240 cu.yd. loose rock excav., 33,152 cu.yd. overhaul, to C. O. Engstrom, Hastings, $12 343, corrugated metal and monolithic culverts to P. Nelson, Hastings, $5,200; Job 2316, State Rd. 16, 54,177 cu.yd. excav., 181,813 cu.yd. overhaul, to Jamieson, Thoreen & Sandeen, Stillwater, $8,420 corrugated metal and monolithic culverts, to Concrete Bridge Co., Red Wing, $1,480; Job 2305, State Rd. 5, 48,476 cu.yd. excav., 20,488 cu. yd. overhaul to Wevers & Meilke, Capitol Ave., St. Paul, $14,823, corrugated metal and monolithic culverts to Concrete Bridge Co., Red Wing $2,119. Noted Mar. 15.

Minn., Little Falls—Morrison Co., 5.12 mi. State Aid Job 2308, 29,057 cu.yd. excav., 43,714 cu.yd. overhaul, to G. M. Hoffman, Pierz, $18,282; 3.7 mi. State Aid Job 2306, 24,361 cu.yd. excav., 41,889 cu.yd. overhaul, to M. Barrett, St. Cloud, $12,437; 922 lin.ft. corrugated metal culverts to Klauer Mfg. Co., 9th and Washington Sts., Dubuque, Ia., $981.

Minn., Mankato—Blue Earth Co., Job 2303, State Rd. 11, 28,812 cu.yd. excav., 30,550 cu.yd. overhaul, to Webster Bros., Mankato, $0.275 per cu.yd. for excav., $0.02 for overhaul. Noted Mar. 29.

Kan., Hays—Paving 35,000 sq.yd. various streets, vitr. brick, to H. J. Taylor Constr. Co., Hays, $3.11 per sq.yd., excav. $0.60, combination concrete curb and gutter $0.95. Noted Feb. 8.

Kan., Topeka—Shawnee Co. concrete paving 6.498 mi. Dover Rd., Southwest Trail, 18 ft., to M. W. Watson & Co., Topeka, 35,078 cu.yd. earth excav. $0.45, 68,923 sq.yd. one course plain cement concrete $2.54, 516.2 cu.yd. concrete $21, 15,450 lin.ft. concrete curb and gutter $0.60, etc., total $223,595. Engrs. est. $250,478.

Neb., Wymore—Paving in Dist. 1, 30,000 sq.yd. asphalt, to J. B. Watts Constr. Co., Concordia, Kan., $81,200.

Mont., Shelby—For 85,000 cu.yd. 5-in. concrete, to Two Miracle Corp., Ford Bldg., Great Falls, $67,000. Engrs. est. $70,000.

Ariz., Phoenix—Paving Monte Vista Rd. between Central Ave. and 7th St., to Phoenix Tempe Stone Co., Home Builders Bldg., $27,731.

Washington—State Hy. Comn., Olympia, concrete paving 54,598 sq.yd. Pacific Highway from Stockport to Castle Rock, and 60,541 sq.yd. from Kelso south to Stockport, to J. Warter, Sr., 631 North Fife St., Tacoma, $1.92 and $2.15 per sq.yd., total $148,435 and $171,951 respectively.

Calif., Oakland—To S. Deguarda, Oakland (street address not available), improving 89th Ave. and D St., 74,415 sq.ft. grading at $0.05 per sq.ft., 4,231 ft. concrete curb $0.65, 8,316 ft. concrete gutter $0.25, 65,644 sq.ft. asphalt macadam $0.12; to Hutchinson Co., 1706 Bway., improving Walnut Ave., 76,801 sq.ft. grading $0.06, 2,372 ft. concrete curb $0.78, 5,120 ft. concrete gutter $0.26, 35,628 ft. oil macadam $0.12, 15,360 ft. sidewalks $0.175. Noted March 15.

Calif., Pomona—Paving with 5 in. concrete Antonio Ave., between Holt and Harrison Sts., to Fleming Constr. Co., 105 North Park Ave., $40,482.

Calif., Santa Ana—Orange Co. paving with 6 and 8 in. concrete portions Westminster Rd., to Wells & Bressler, California Bank Bldg., $51,940. Noted April 12.

Calif., Santa Monica—Grading, sidewalks and paving Colorado Ave., 225,575 sq.ft. 1½-in. warrenite bitulithic on 2½-in. asphaltic concrete, to Kneen Paving Co., Dudley Bldg., $65,777. Noted April 12.

Que., Hull—Paving Main St., asphalt, Bridge St., asphalt, and Youville St., sandstone block, to Standard Paving Co., Elgin St., Ottawa, Ont., $39,875, $10,000 and $7,800 respectively.

Industrial Works

PROPOSED WORK

Me., Portland—Portland Nash Co. plans 3 story brick and steel garage, plain foundation. $100,000.

Mass., New Boston—Farmington River Hydro-Electric Co., Winsted Conn., plans hydro-electric plant, rein.-con., plain foundation, here. To exceed $150,000. R. P. Ward, 170 Hinsdale Ave., secry. and treas. Private plans.

Mass., North Adams—Mohawk Garage, 9 Main St., plans 1 story garage addition. $45,000.

Conn., Ansonia—A. V. Repe plans 2 story, 30 x 130 ft. factory, timber, plain foundation, Olivia St. $40,000. Private plans.

Conn., Colebrook River (Colebrook P. O.)—Farmington River Hydro-Electric Co. plans dam, 400 ft. long, 25 ft. high. $600,000. R. P. Ward, 170 Hinsdale Ave., Winsted, secy. and treas.

Conn., Hartford—R. Piccola, 1137 Albany Ave., having plans prepared by D. A. Guerriero, 1029 Main St., 1 story, 40 x 60 ft. garage, brick, plain foundation, Albany St. $40,000.

Conn., New Britain—State Bd. Educ., Capitol, Hartford, plans 60 x 80 ft. power house, brick, plain foundation, at State Normal School, here. $40,000. Engineer and architect not selected.

Conn., Norwich—Norwich State Hospital plans 1 story, brick power house, plain foundation. $40,000. F. S. Wilcox, supt. Engineer and architect not selected.

Conn., Southington—Southington Hardware Co., Center St., had plans prepared 2 story, 50 x 110 ft. factory, rein.-con. and brick, plain foundation. $60,000. Private plans.

Conn., Southington—Beaton & Corbin Mfg. Co., Main and Chapman Sts., plans 3 story, 40 x 72 ft. factory, brick, plain foundation, Chapman St. $75,000. Private plans.

Conn., Waterbury—Connecticut Brass Fdry., 600 East Main St., having plans prepared by H. F. Wenzel, 6 Glen Ridge, 2 story, 30 x 40 ft. factory, brick and steel, plain foundation, 660 East Main St. $40,000.

Conn., Waterbury—J. H. Cassidy, 144 Bank St., had plans prepared by H. F. Wenzel, 6 Glen Ridge St., 2 story, 50 x 60 ft. garage, brick and steel, plain foundation, Mitchel Ave. $40,000.

N. Y., Brooklyn—Marke Storage Battery Co., c/o M. Morris & Sons, archts. and engrs., 533 Nostrand Ave., soon takes bids 2 story, 70 x 100 ft., rein.-con. and steel factory, plain foundation. Atlantic Ave. near New York Ave. $50,000.

N. Y., Cohoes—Cohoes Motor Car Co., 42 Oneida St., plans 2 story, brick, concrete and steel machine shop and garage, Ontario St. $60,000-$65,000. W. Perkins, pres.

N. Y., Ogdensburg—See "Buildings."

N. Y., Schenectady—Adirondack Power & Light Corp., 511 State St., plans new power station at Stop 12, Schenectady-Albany Rd. $75,000.

N. Y., Syracuse—Syracuse Lighting Co., 339 South Warren St., plans gas plant. $3,000,000. J. C. De Long, pres.

N. Y., Watertown—Otis Steam Boiler Co., 335 West 1st St., Oswego, plans 1½ story, brick and steel factory, here. $40,000. Address J. F. Otis, Oswego.

Pa., Ebensburg—Gardner Calculating Machine Co., High St., opens bids about May 15, two story and basement, 90 x 100 ft., brick and steel plant, High St. $60,000. J. L. Elder, Ebensburg, archt. and engr.

Pa., Grapeville—Westmoreland Specialty Co. having plans prepared 1 story, 80 x 100 ft. addition to plant. $150,000. Private plans.

Pa., Pittsburgh—C. J. Allen, c/o City Deposit Bank, 6112 Penn Ave., having plans prepared 1 story and basement, 175 x 296 ft. garage, Western Ave. $60,000. Private plans.

Pa., Pittsburgh—C. G. Hussey & Co., 2850 2nd Ave., having plans prepared 3 story and basement, 80 x 200 ft. concrete and brick factory, 2nd Ave. $250,000. Private plans.

Pa., Pittsburgh—McKinney Mfg. Co., Penn and Preble Aves., having plans prepared by Hunting & Davis, Century Bldg., 1 story, 120 x 182 ft. brick and steel addition to storage house. $150,000.

Pa., Warren—J. T. Newell, Pennsylvania Ave., having plans prepared by E. A. Phillips, Warren, 4 story, brick plant, 3rd St. $50,000.

W. Va., Charleston—Dewey Furniture Co., Pennsylvania St., plans rebuilding plant, recently destroyed by fire. $100,000. Engineer and architect not announced.

N. C., Asheville—J. E. Richmond, representing manufacturing interests of Phila., Pa., and Boston, Mass., plans 100 x 200 ft. knitting mill, between French Broad River Bridge and West Asheville. $85,000. Address F. Byram, Asheville.

N. C., Bravard—W. H. Gray Cotton Mills Co. (recently incorporated), plans mill. $500,000.

N. C., Hudson—Caldwell Cotton Mill Co. plans cotton mill, 5,000-6,000 spindle. $250,000. M. Squires and R. L. Gwyn, Lenoir, interested.

Tenn., Lawrenceburg—See "Dams."

Tenn., Martin—Amer. Cigar Co. plans factory. $40,000-$50,000.

Ky., La Grange—Southern Signals Co. plans plant for making railroad signals. $50,000. Engineer and architect not selected.

Ky., Louisville—Standard Sanitary Mfg. Co., 6th and A Sts., plans pottery plant. $250,000. T. E. Mueller, mgr.

O., Cleveland—Paul Bros., c/o G. Paul, Fidelity Mortgage Bldg., plans 1 and 2 story, brick, steel and concrete garage and service station, East 43rd St. and Windsor Ave. $150,000. J. F. Steffens, Fidelity Mortgage Bldg., archt.

O., Logan—McGovern Shoe Co., Stoneman Bldg., Columbus, had plans prepared by F. L. Packard, Hayden Bldg., Columbus, 3 story and basement, 45 x 115 ft., factory addition, here. $45,000.

Mich., Detroit—Everhot Heater Co., 214 West Woodbridge St., having plans prepared by Dise & Titchy, 2631 Woodward Ave., 1 story and part basement, 75 x 226 ft. brick and steel factory, plain foundation, Lafayette Blvd. $60,000.

Ill., Chicago—Brunswick-Kroeschell Co., 460 West Erie St., plans 1 and 2 story, 243 x 770 ft. factory, rein.-con., brick and steel, 4201-25 Diversey Ave. $375,000. Davidson & Weiss, 53 West Jackson Blvd., archts.

Wis., Madison—Gill Bros. Co., c/o A. J. Gill, 452 West Wilson St., plans 2 story, garage and repair shop, brick, rein.-con. and steel, plain foundation, Webster St. $80,000. Architect not selected.

Wis., Milwaukee—Oneida Impvt. Co., c/o T. Kerner, 214 Biddle St., making new plans 2 story and basement, 85 x 180 ft., brick, tile and concrete garage, plain foundation, Front St. $100,000. Private plans. Noted Mar. 1.

Wis., Waukesha—Quality Aluminum Co., c/o A. C. Pankratz, 505 Lake Ave., having preliminary plans prepared by Federal Bridge & Structural Co., Lincoln Ave., 1 story, 85 x 200 ft., concrete foundry, plain foundation. $50,000.

Tex., Beaumont—Humphrey Pure Oil Co. making plans 10,000 bbl. refinery, Smith Bluff. $2,500,000. Private plans.

Tex., Breckenridge—Breckenridge Textile Mills Co. having plans prepared by L. E. Robert, Jr., Tuft Bldg., Atlanta, Ga., textile mill. $400,000.

Tex., Breckenridge—R. W. Rainey had plans prepared brick plant, plain foundation. $250,000. Private plans.

Industrial Works (Continued)

Tex., Brownwood—Prairie Oil & Gas Co. had plans prepared gasoline plant. $250,000. Private plans.

Tex., Dallas—Brown Cracker & Candy Co., 603 Caruth St., having plans prepared by C. E. Barglebaugh, engr. and archt., Southwestern Life Bldg., 7 story and basement factory, and 2 story warehouse, rein.-con. and brick, plain foundations, Jefferson, McKinney and Caruth Sts. $1,000,000.

Tex., Dallas—F. J. Woerner, archt. and engr., Sumpter Bldg., takes bids latter part of April, 1 story, 100 x 125 ft., garage and auto paint shop, concrete and brick, plain foundation, Commerce and Duncan Sts., for B. R. Sparks, Jr., 217 North Brighton. $75,000. Darby Top & Painting Co., 1113 Camp St., lessee.

Tex., Ft. Worth—South West Portland Cement Co., Two Republics Bldg., El Paso, plans 3,000 bbl. cement plant, along tracks Houston & Texas Central R.R., here. $500,000. Private plans.

Tex., Waco—Exporters & Traders Compress & Warehouse Co., East Waco, takes bids in summer, compress and warehouse, concrete, plain foundation. $60,000. Engineer and architect not announced.

Wash., Spokane — Wendorf & Rogers Lumber Co., 1319 Old National Bank Bldg., plans 2 story mill, timber. $40,000. Work will be probably done by day labor.

Wash., Yardley — Western Cedar Pole Preservers having plans prepared plant, on 16 acre site. $100,000. O. C. Hansen, Peyton Bldg., Spokane, pres.

Ore., Burns—F. Herrick and Associates, St. Maries, Idaho, plans complete sawmill plant, here. $500,000.

Calif., Corning—See "Miscellaneous."

Calif., Fresno — San Joaquin Light & Power Corp., 1801 Tulare St., having plans prepared storage and warehouse, transformer testing plant, cross arm mill and other small structures. To exceed $250,000. Private plans.

Calif., San Francisco—Hermann Safe Co., 216 Fremont St., plans warehouse and salesrooms, fireproof, Main and Howard Sts. $150,000. Engineer and architect not selected.

Calif., San Francisco—Pacific Gas & Electric Co., 445 Sutter St., had plans prepared extensions to substations at 19th and Lexington Aves., and Balboa and 24th Aves. $20,000 each. Private plans.

Calif., San Francisco.—L. R. Lurie, 315 Montgomery St., having plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 1-story, rein.-con. garage. $40,000. Pacific Telephone & Telegraph Co., 333 Grant Ave., lessee.

Calif., San Francisco—Standard Oil Co., Standard Oil Bldg., making plans several rein.-con. buildings, tanks, pipe lines, etc., for oil distribution plant, on block bounded by Beach, Jones, Jefferson and Leavenworth Sts. $500,000 or more. Private plans.

Ont., London — Utilities Comn., having plans prepared new sub-stations. $77,000. E. V. Buchanan, Hydro Office, engr.

BIDS DESIRED

Pa., Bethlehem—May 15, by W. F. Gorman, treas. Confederated Home Abattoirs Co., 314 Amer. Casualty Bldg., 5 story and basement, 140 x 150 ft. slaughter house and plant, 33 x 99 ft. by-product building, both brick, two 30 x 99 ft., rein.-con. and brick stock pens and 10 x 240 ft. scalehouse and unloading chute. $400,000. Gorman-Brown Eng. Co., 40 Rector St., New York City, engrs.

Pa., Jeannette—Pittsburgh Eng. Co. will build 1 story, 80 x 200 ft. malleable foundry, 1 story, 80 x 150 ft. storehouse and 1 story, 60 x 80 ft. core room. $500,000. Work will be done by separate contract. Private plans. Noted Apr. 12.

O., Cleveland—L. L. Coriozzi Co., 1258 East 105th St., taking bids 2 story and basement, 101 x 120 ft., brick, steel and concrete auto sales and garage, Ansel Rd. and Superior Ave. $150,000. W. S. Ferguson Co., 1900 Euclid Ave., archts.

O., Cleveland — International Harvester Co., 903 James Ave., taking bids 4 story and basement, brick, steel and concrete warehouse, concrete pile foundation, East 55th St. and Julia Ave. $300,000. Private plans. Noted Nov. 16.

Ill., Chicago—Loewenberg & Loewenberg, archts., 111 West Monroe St., receiving bids 1 and 2 story, 100 x 150 ft., rein.-con., brick and steel, auto sales building and garage, 4822 North Clark St., for J. Schiffman, c/o architects. $60,000.

Wis., Fox Lake—Fox Lake Auto Co. taking bids 2 story, 64 x 85 ft., brick and concrete garage, plain foundation. $40,000. Peacock & Frank, 445 Milwaukee St., Milwaukee, archts.

Wis., La Crosse—April 23, by O. A. Merman, archt., Linker Bldg., 1 story and basement, 50 x 100 ft., power house and laundry, brick, tile and concrete, plain foundation, for Lutheran Hospital, 1910 South Front St. $60,000. Noted Feb. 8.

Wis., Wauwatosa—April 23, by Cahill & Douglas, engrs., 217 West Water St., Milwaukee, 2 story, 47 x 62 ft. power house, brick and steel, plain foundation, for Forsyth Leather Co., State St. $40,000. Noted Feb. 1.

Ia., Muscatine—April 25, by Electric Light Trustees, complete municipal electric light plant and system. A. L. Mullergren, 555 Gates Bldg., Kansas City, Mo., engrs. Noted March 29.

Okla., Tulsa—F. A. Duggan, archt., 202 Castle Bldg., receiving bids 3 story, 103 x 140 ft. warehouse, rein.-con. and brick, for Tulsa Storage & Transfer Co., 8 North Cheyenne St. $60,000.

Ont., Simcoe—L. C. Gibson, pres. Wilkey Products Co., taking bids and opens same about May 1, one story, 50 x 230 ft. brick factory, Head St. $125,000. Private plans.

BIDS RECEIVED

N. Y., New York—Transit Comn., 49 Lafayette St., inspection shed and service building, northeast corner Jerome Park reservoir property, near Jerome Ave. and Mosholu Parkway, from Jacob Schlesinger, Inc., 259 West 30th St., $371,750; D. C. Serber, Grand Central Terminal, $388,700; Lustig & Weil, 103 Park Ave., $400,000. Noted Apr. 5.

CONTRACTS AWARDED

Vt., Sheldon Springs—Missisquoi Paper Co., 1 and 2 story, 40 x 500 ft. mill, rein.-con. and steel, plain foundation, to P. E. Sullivan, St. Albans. Engrs. est. $400,000-$500,000.

Mass., Lowell—Lowell Electric Light Corp., 29 Market St., 63 ft. extension to power house, erecting steel stack, etc., to Stone & Webster, Inc., 147 Milk St., Boston. $373,000.

Mass., Pittsfield—H. N. Wilson, archt., 651 North St., 2 story, 60 x 110 ft. garage, brick and steel, plain foundation, West St., to J. R. Hampson Co., 184 North St., $50,000, for B. K. George, 139 West Housatonic St. Archts. est. $55,000. Noted Jan. 11.

Mass., Pittsfield—S. Bridges, 46 Columbus Ave., 1 story, 120 x 150 ft. garage addition, brick and steel, plain foundation, to J. R. Hampson Co., 184 North St., $40,000.

Conn., Hartford—H. L. Solloway, 256 Windsor St., 2 story and basement, 50 x 50 ft. storehouse, brick, plain foundation, 283 Village St., to L. Schwinken, 35 Earl St. Engrs. est. $40,000.

N. Y., New York—L. H. Willard, c/o J. J. Dunnigan, archt. and engr., 394 East 150th St., will build 2 story, 115 x 330 ft., rein.-con. and steel garage, plain foundation, McClellan St., by day labor. $100,000.

N. Y., Watertown—Northern New York Utilities, Inc., 58 Pub. Sq., will build 2 story concrete and steel garage and machine shop, Front St., by day labor, under supervision of C. E. Dewey, Light and Power Bldg., archt. $40,000. Noted Apr. 12.

Pa., Erie—Keystone Fish Co., Erie, 107 x 207 ft. warehouse, to replace one recently destroyed by fire, on lake front, to J. C. Hammond, Erie. Archts. est. $50,000. Noted Mar. 15.

Pa., Phila.—Collins & Aikman, 46th and Nixon Sts., 6 story and basement, 50 x 90 ft. rein.-con. and brick plant, plain foundation, Farson and Viola Sts., to Turner Constr. Co., 1713 Sansom St., $100,000.

Pa., Phila.—McCahan Sugar Co., Tasker St. Wharf, 3 story, rein.-con., brick and steel factory, to F. L. Hoover & Sons, 1023 Cherry St., $400,000.

Pa., Phila.—R. E. Tongue & Bros., Allegheny and Amber Sts., 2 story, rein.-con. and brick factory, plain foundation, Allegheny and Collins Sts., to W. Steele & Sons, 214 North Broad St., $53,000.

Pa., Uniontown—H. W. Altman, archt., Fayette Title & Trust Bldg., 2 story, 41 x 70 ft. brick, steel and stone garage, to Darby Lumber Co., Fairchance, for Uniontown Automobile Co. Archts. est. $50,000. Noted Apr. 5.

D. C., Wash.—J. W. Gault, 1420 U St., N. W., will build garage. Archts. est. $200,000. Private plans. Owner's name withheld.

N. C., Thomasville—Amazon Mills, 132 x 488 ft., cotton mill, one half of length to be 2 story, also large picking room, to J. A. Gardner, 211½ North Tryon St., Charlotte. Plans later 30 new bungalows as an addition to mill village.

S. C., Duncan—Lockwood, Greene & Co., engrs., 24 Federal St., Boston, Mass., 4 story, 135 x 300 ft. cotton mill, 5 story, 75 x 100 ft. storehouse, part 2 story and part 1 story, 200 x 650 ft. bleachery, power house, pump room, etc., near here, to Parklap Inc., 84 Pine St., New York City, for Pacific Mills. Noted Mar. 29.

O., Cleveland—Power Impvt. Co., c/o G. E. Peterson, 15924 Euclid Ave., 5 story and basement, 109 x 135 ft., brick, steel and concrete sales, service and warehouse, Cedar Ave. and Ashland Rd., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $250,000. Noted Apr. 5.

O., Cleveland—West 3rd St. Clair Co., c/o A. N. Ferguson, archt., 12821 Phillips Ave., remodeling 4 story, brick and steel building into garage, 1261 West 3rd St., to Super-Built Constr. Co., 1836 Euclid Ave. Archts. est. $75,000.

O., Cleveland—See "Buildings."

Mich., Pontiac—Fisher Body Corp., General Motors Bldg., Detroit, two 1 story units and one 2 story unit, 150 x 500 ft., rein.-con., brick and steel plant, plain foundation, Baldwin Ave., to J. A. Utely Co., 718 Penobscot Bldg., Detroit. Archts. est. $2,000,000. Noted March 1.

Ill., Chicago—Harrington & King Perforating Co., 614 North Union Ave., 1-story, 164 x 284 ft. factory, rein.-con., brick and steel, 5633-59 Fillmore St., to Dahl-Stedman Co., 11 South La Salle St. Archts. est. $150,000. Noted March 22.

Ill., Chicago—G. Rosen, c/o Halperin & Braun, archts., 19 South La Salle St., 1-story, 126 x 140 ft. garage, rein.-con., brick and steel, 6415-25 Bosworth Ave., to Gamn Bros. Constr. Co., 133 West Washington St. Archts. est. $50,000.

Ill., Chicago—Reo Motor Co., 2412 South Michigan Ave., 2-story, 85 x125 ft. auto sales and service station, rein.-con., brick and steel, Bway. and Early Ave., to A. and E. Anderson, 19 South La Salle St. Archts. est. $100,000. Noted Feb. 15.

Ill., Chicago—M. J. Schmidt, c/o Rawson & Eisenberg, archts., 5 North La Salle St., 1-story, 82 x 92 ft. garage, rein.-con., brick and steel, 3327-31 West Madison St., to S. Fishkin, 2640 North Fairfield Ave. Archts. est. $75,000. Noted March 29.

Ill., Chicago—Holy Angels Guardian Orphanage, 2001 Devon Ave., 1 and 3 story, 120 x 209 ft. power plant and shop, rein.-con., brick and steel, 2001-65 Devon Ave., to J. Gebhardt & Son, 111 West Washington St. Archts. est. $150,000.

Wis., Madison—C. Rieder, 615 University Ave., 3 story, 50 x 65 ft., tire shop and service station, brick, rein.-con. and steel, plain foundation, to J. H. Findorff & Son, 601 West Wilson St. Archts. est. $50,000. Noted March. 22.

Wis., Milwaukee—Milwaukee-Waukesha Delivery Co., 2618 Grand Ave., 5 story and basement, 52 x 100 ft., brick and concrete warehouse, plain foundation, Grand Ave., to B. Wilke, 1011 Island Ave., and Cutter Constr. Co., 886 46th St. Archts. est. $100,000.

Mo., Kansas City—Busche M. Klapmeyer, 2800 East 31st St., 2 story and part basement, 50 x 113 ft., brick, steel and stone garage and salesroom, to M. Stipel, 2323 Quincy St., $40,000. Noted March 15.

Mo., St. Louis—Rowana Petroleum Co., Arcade Bldg., 1 and 2 story, 62 x 92 ft. garage, and 1 story, 14 x 20 ft. pump house, brick and concrete, plain foundations, Audubon Ave., to Dickie Constr. Co., Syndicate Trust Bldg. Archts. est. $40,000.

Mo., St. Louis—A. H. Lewis Medicine Co., 401 Spruce St., 4-story, 70 x 90 ft., rein.-con. and brick factory, plain foundation, Spruce St., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $100,000.

Mo., St. Louis—United Rys. Co., 3869 Park Ave., will build 1½-story car shop addition, brick, plain foundation, by day labor. $50,000.

Tex., Houston—Myers-Spalti Mfg. Co., 2118 Runnels St., 5 story and basement, concrete and brick factory, plain foundation, to Amer. Constr. Co., Gulf Bldg. $175,000.

Calif., Emeryville—Detroit Steel Products Co., 251 Kearny St., San Francisco, 1-story, 110 x 120 ft., rein.-con. factory and warehouse, in vicinity 64th and Boyle Sts., to Adam Arras Co., 185 Stevenson St., San Francisco. Archts. est. $40,000.

Calif., San Francisco—Hale Bros., 5th and Market Sts., 8-story and basement, rein.-con. warehouse, Stevenson St., near 5th St., to Macdonald & Kahn, 130 Montgomery St. $40,000.

Buildings

PROPOSED WORK

Mass., Amherst—Dormitory—Massachusetts Agricultural College plans 3 story dormitory. $250,000. K. L. Butterfield, pres.

Mass., Amherst—Library—Jones Memorial Library had sketches made by Putnam & Cox, 114 State St., Boston, 2 story, 100 x 120 ft., brick and stone. J. Tyler and G. Culter, trustees. Noted Mar. 1.

Mass., Malden — Schools — Plans school, Cross St., $150,000, and addition to Marion P. Browne School in Maplewood, $150,000. J. V. Kimball, mayor. Engineer and architect not selected.

Mass., Somerville—City Hall—Pub. Wks. Dept. plans 2 wings, each 2 story, 50 x 100 ft., also alterations to main building, concrete, plain foundation, Highland Ave. $175,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, archts.

Conn., Willimantic—Theatre—A. Davidson, Norwich, plans 4 story (ultimately 6 story) 92 x 160 ft., brick and steel, plain foundation, Main St., here. $160,000. Engineer and architect not selected.

N. Y., Albany—Bank—First National Bank purchased site at 59-61 State St. and plans new banking building. J. A. Becker, pres.

N. Y., Albany—Office and Club—B.P.O.E., plans 14 story, concrete and steel, brick or stone trim, 138-140 State St. $1,000,000. Address E. N. Scheiberling, c/o owner.

N. Y., Amsterdam—Schools—Bd. Educ. plans brick and concrete additions to 5th Ward and Vrooman Ave. schools. To exceed $150,000.

N. Y., Bay Shore—Theatre and Office—J. J. Fitzgibbons, c/o T. W. Lamb, archt. and engr., 644 8th Ave., New York, having plans prepared 2-story, brick, steel and stone, plain foundation, here. $250,000.

N. Y., Carthage — High School — Voted $187,000 bonds central high school, brick, concrete and steel. E. Villars, pres. Bd. Educ. Noted Mar. 1.

N. Y., Dolgeville — School — Election in May to vote on $225,000 bonds concrete, steel and stone.

N. Y., Fairport — High School — Voted $375,000 bonds brick, terra cotta, concrete and steel. O. W. Dwyer, 310 Cutler Bldg., Rochester, archt. Noted Apr. 5.

N. Y., Hamburg—School—Bd. Educ. had plans prepared by F. A. Spangenburg, 259 Delaware Ave., Buffalo, brick, concrete, steel, stone and terra cotta, Pleasant Ave. $300,000.

N. Y., New York — Apartments — Protestant Episcopal Church, c/o P. C. Hunter, archt. and engr., 191 9th Ave., having plans prepared two 5 story, 90 x 159 ft., brick, steel and stone, plain foundations, Morris Ave. $250,000 each.

N. Y., Troy—Infirmary and Hospital—Emma Willard School, 45 Ferry St., plans brick, concrete and steel. $150,000. Address E. Kellas, principal.

N. Y., Tupper Lake—Theatre and Store—Pond Theatre Corp., Malone, plans 3 story, brick, concrete and steel, here. $150,000-$160,000.

N. Y., Watertown—Hospital—St. Joachims Hospital plans concrete, brick and steel, $250,000. D. D. Kieff, Flower Bldg., archt.

N. Y., Watertown—School—Bd. Educ. plans brick, concrete and steel, Mullin St. $250,000-$200,000. F. S. Tisdale, City Hall, supt.

N. J., Asbury Park—High School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $600,000. E. A. Arend, 105 West 40th St., New York City, archt. and engr.

N. J., Newark — Hospitals — Essex Co., Court House, having plans prepared by F. S. and S. E. Sutton, 402 Broad St., 3 story and basement, 50 x 450 ft. reception hospital and 2 story and basement, 80 x 450 ft. convalescent hospital, both brick and plain concrete foundations, Overbrook St. To exceed $1,000,000. Runyon & Carey, 843 Broad St., engrs.

Pa., Franklin — Exchange — Petroleum Telephone Co., Oil City, plans concrete, brick and steel, Elk St. $150,000. Address W. S. Paca, genl. mgr.

Pa., Philadelphia — Office — W. Steel & Sons, 219 North Broad St., soon takes bids 10 story and basement, 124 x 134 ft., reinf.-con., brick and steel, 15th and Cherry Sts. $1,000,000.

Pa., Southmont—School—Bd. Educ., Otto Bldg., Johnstown, rejected bids Apr. 9. 2 story and basement, 142 x 156 ft. brick and tile. $200,000. P. Campbell, Park Bldg., Johnstown, archt. Noted Apr. 5.

Pa., Warren—Schools—Defeated $600,000 bond issue for new school, etc. Noted Mar. 22.

Pa., Williamsport—Church—First Church of Christ had plans prepared by W. D. Shollenberger, 1522 Scott St., and takes bids about May 1, first section, 2 story, 60 x 60 ft. brick and stone, West 3rd and Walnut Sts. $75,000. Annex 60 x 60 ft. will be built when first section is completed.

Fla., St. Petersburg — Hotel — A. McMurray having plans prepared by E. Ferdon, St. Petersburg, 5 story, rein.-con., brick and steel, 2nd Ave. N. $300,000.

La., Lecompte — High School — Having plans prepared by W. J. Avery, supt. Rapides Parish School Bd., Alexandria, new high school. $175,000 bonds voted.

Tenn., Nashville—Apartment—W. E. Jonnard, Louisville, Ky., had plans prepared by C. E. Colley & Co., First Natl. Bank Bldg., 3 story, 76 x 200 ft., rein.-con., concrete footings, 2nd St., here. $200,000.

Ky., Hazard—Loft—Patton Moore Dry Goods Co. plans 5 story, Main St. $200,000. R. L. Moore, Jellico, Tenn., pres.

O., Byesville—High School—Bd. Educ. takes bids in about 2 weeks 2 story and basement, 106 x 125 ft., brick and concrete. $150,000. F. S. Rusk, 16 South 3rd St., Columbus, archt.

O., Cleveland — Apartment — Atwater & Kaplan, 928 Williamson Bldg., had plans prepared by Steffens & Steffens, Williamson Bldg., 3 story and basement, 43 x 167 ft., brick and steel, plain foundation, 14402 Coit Rd. $150,000.

O., Cleveland — Apartment — Gers Co., 1979 East 55th St., had plans prepared 3 story and basement, 90 x 120 ft., brick and timber, 14240 Lake Shore Blvd. $150,000. Private plans.

O., Cleveland—Apartments—C. Kleinman and M. B. Abrams, 309 Society for Savings Bldg., plan five 3 or 4 story, brick and timber, plain foundations, East 85th St. south of Euclid Ave. $500,000. Engineer and architect not selected.

O., Cleveland—Apartment—J. A. McAuley, 1388 West 70th St., having plans prepared by H. W. Grieme, 110 Engineers Bldg., 3 story and basement, 42 x 115 ft., brick and timber, plain foundation, Detroit Ave. and West 70th St. $150,000.

O., Cleveland — Store — National Dept. Stores Co., c/o V. Sincere of Bailey Co., Ontario St. and Prospect Ave., Cleveland, pres., and M. Stein, 47 West 34th St., New York City, treas., plans 10 story and basement, brick, steel and rein.-con., concrete pile foundation, 63,000 sq.ft. floor space, East 9th St. and Euclid Ave. $2,000,000. Engineer and architects name withheld.

O., Cleveland Heights (Warrensville P. O.) —High School—Bd. Educ., 1805 Lee Rd., Cleveland, plans 3 story, brick, steel and concrete, Junior High School, Cedar and Lee Rds., here. $1,000,000. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt.

O., Dayton — Apartment — Consolidated Builders Co., 908 U. B. Bldg., plans 10 story and basement, 40 x 110 ft., brick and rein.-con., plain foundation, North Ludlow St. $200,000. Private plans.

O., Dayton — Church — Holy Angels Catholic Church, Brown St., plans brick, concrete and stone, South Brown St. $200,000. Engineer and architect not selected.

O., New Philadelphia—Hotel—L. C. Wallick, owner Deshler Hotel, Broad and High Sts., Columbus, plans hotel, here. $300,000. Engineer and architect not selected.

O., St. Marys—School—Bd. Educ. having plans prepared by Walker & Norwick, 1301 Amer. Bldg., Dayton, 2 story, brick and rein.-con., plain foundation. $160,000. Noted Aug. 31.

Ind., Evansville—Church—Trinity Methodist Episcopal Church having preliminary plans prepared by W. E. N. Hunter, 1436 Washington Blvd., Detroit, Mich., 2 story, 50 x 150 ft., brick, steel and stone, plain foundation. $175,000.

Ind., South Bend — Office and Store — Strauss Bros. Co., 10 South La Salle St., Chicago, had plans prepared by H. B. Beidler, 10 South La Salle St., and takes bids about June, 8 story, 99 x 165 ft., rein.-con., plain foundation, Michigan St. and Jefferson Blvd. $750,000.

Mich., Detroit—Hotel—Kohner & Seeler, archts., 405 Kresge Bldg., opens bids about May 1, 10 story and basement, 100 x 150 ft., concrete, brick and steel, plain foundation, John R St. $350,000. Owner's name withheld.

Mich., Ferndale—School—Bd. Educ. having plans prepared by H. T. Keys, and P. Kasurin, 423 Murphy Bldg., Detroit, 2 story and basement, 60 x 120 ft. rein.-con., brick and steel, plain foundation. $150,000.

Mich., Ithaca—School—Bd. Educ. having plans prepared by Lane, Davenport & Peterson, 2320 Dime Bank Bldg., 3 story, 120 x 156 ft. rein.-con., brick and steel, plain foundation. $250,000.

Ill., Chicago—Apartment—M. Keane, c/o J. H. Klafter, archt., 127 North Dearborn St., plans 3 story, 89 x 125 ft., rein.-con., brick and steel, Morgan and 70th Sts. $150,000.

Ill., Chicago—Apartment—C. Stern, c/o J. J. Jensen, archt., 4815 Lawndale Ave., plans 3 story and basement, 120 x 152 ft., rein.-con., brick and steel, 7726-38 North Ashland Ave. $150,000.

Ill., Chicago — Church — St. Brendans Catholic Congregation, 67th and Racine Sts., plans 2 story, rein.-con., brick and steel, $150,000. J. Burns, 64 West Randolph St., archt.

Ill., Chicago—Store—Straus & Schram, 665 West Madison St., plan 5 story, 72 x 110 ft., rein.-con., brick and steel, 63rd and Green Sts. $175,000. A. Epstein, 2001 West Pershing Rd., archt.

Wis., Beaver Dam—Theatre-Office—F. C. Gross, Muskego Ave., Milwaukee, plans 2 story and basement, 70 x 156 ft., brick and concrete, plain foundation, Main St. $150,000. Engineer and architect not selected.

Wis., Burlington — High School — St. Marys Congregation, having preliminary plans prepared by E. R. Liebert, 432 Bway., Milwaukee, 2 story and basement, brick, tile and concrete, plain foundation. $150,000.

Wis., Madison—Store, etc.—Piper Grocery Co., 31 North Pickney St., plans 4 story, 66 x 90 ft., store and warehouse, brick, rein.-con. and steel, plain foundation, Mifflin St. $150,000. H. Piper, mgr. Engineer and architect not selected.

Wis., Milwaukee—Apartment—Rosman & Wierdsma, archts., 424 Jefferson St., preparing plans 3 story and basement, 44 x 100 ft., brick, tile and concrete, plain foundation, Wells and 19th Sts. $150,000. Owners name withheld.

Wis., Sheboygan—Theatre—E. A. Juul, archt., Security Bldg., preparing plans 2 story, 70 x 140 ft., brick, rein.-con. and steel, plain foundation, 8th St. $150,000. Owner's name withheld.

Wis., Weyauwega—School—School Bd. having plans prepared by Auler & Jensen, F. R. A. Bldg., Oshkosh, 2 story and basement, brick and tile, plain foundation. $150,000.

Wis., West Bend—High School—School Dist. 1, rejected bids opened March 27, 2-story, 160 x 180 ft., brick, tile and concrete, plain foundation. Will readvertise. $180,000. Foeller, Schober & Stephenson, Nicollet Bldg., Green Bay, archts. Noted April 5.

Ia., Oelwein—High School—Bd. Educ. takes bids latter part of May, 2 story and basement, rein.-con., brick and stone. $200,000. W. Gordon, 317 Hubbell Bldg., Des Moines, archts.

Ia., Waterloo—Y. M. C. A., Waterloo, takes bids in May, 3 story and basement, rein.-con. and brick. $150,000. M. B. Cleveland, 603 1st National Bank Bldg., archt.

Mo., Sedalia — Court House — Pettis Co. voted $350,000 bonds rebuilding court house, destroyed by fire in 1920. Noted Jan. 11.

Mo., Trenton—High School—Voted $200,000 bonds new high school. Noted Mar. 22.

Mo., University (St. Louis P. O.)—City Hall, etc.—Voted $470,000 bonds for addition to city hall, resurfacing Delmar Blvd. and sewer in River Des Peres Dist., etc.

Tex., Ballinger—High School—Ballinger Independent School Dist. plans election soon to vote on $150,000 bond issue for high school. J. Pirie, city engr.

Tex., Dallas—Church—Highland Park Methodist Church, c/o R. H. Shuttles, chn. building com., 3918 Gillon St., plans 2 story and basement, rein.-con. and brick, plain foundation, Mockingbird Lane and Bishop Blvd. $225,000. Engineer and architect not selected.

Tex., Electra—High School—Voted $196,000 bonds for high school. Engineer and architect not selected.

Tex., Marshall—Schools—Election early in May to vote on $250,000 bonds for schools.

Tex., Waco—City Hall—Election soon to vote on $325,000 bond issue, 4 story and basement. H. R. Seward, city engr. Architect not selected.

Wash., Aberdeen — Hotel — Washington Hotel Co. having plans prepared by A. H. Albertson, Henry Bldg., Seattle, and takes bids about July 2, 5 story, 100 x 130 ft., steel and concrete. $350,000.

Ore., Astoria—Store and Office—Warren, Higgins & Co., Astoria, takes bids about May 20, 4-story, 45 x 185 ft., rein.-con., wood pile foundation, 12th, Commercial and Duane Sts. $200,000. E. A. Miller, 519 Henry Bldg., Portland, archt.

Calif., San Francisco.—Hospital—Chinese Six Companies, c/o O'Brien Bros., Inc., archts., 315 Montgomery St., soon takes bids 4-story and basement, rein.-con., Trenton St., near Jackson St. $150,000.

Calif., Venice—Club—Oceanic Club having plans prepared by Noerenberg & John-

Buildings (Continued)

son, Los Angeles Ry. Bldg., Los Angeles, 5 story and basement, rein.-con., Park St. To exceed $150,000.

Calif., Whittier—Hotel—B. W. Doyle and L. P. Mich, Los Angeles, having plans prepared by Walker & Eisen, 326 Pacific Finance Bldg., Los Angeles, 3 story, brick, here. $450,000.

Que., Montreal—Exchanges—Bell Telephone Co. Ltd., Notre Dame St. W., soon takes bids for following work: new telephone exchange St. Urbain and Ontario, Sts., $500,000, also one on Ontario and Fullum Sts., $500,000; manual switchboards at Lasalle Exch., $100,000, Victoria Exch., $150,000, Melrose Exch., $90,000 and Calumet Exch., $90,000; extensions to cable lines, both aerial and underground at Victoria Exch., $300,000, Calumet Exch., $250,000; East Exch., $125,000, St. Louis Exch., $120,000, Westmount Exch., $130,000, Melrose Exch., $75,000.

Ont., St. Thomas—College—Alma College plans 2 or 3 story, concrete, brick and steel addition. $150,000. Engineer and architect not selected.

Ont., York Mills—College—St. Andrews College, Rosedale Ave., Toronto, plans 3 story and basement, concrete and brick, here. $400,000. Engineer and architect not selected.

BIDS DESIRED

R. I., Providence—Church—Apr. 21, by St. Adalberts Church, 140 x 160 ft., brick and terra cotta, plain foundation, Attwells Ave. $170,000. H. Ludorf, Main St., New Britain, Conn., archt. Noted Mar. 22.

Conn., Bristol—Business—Apr. 23, by W. T. Tracy, 2 Riverside Ave. and J. E. Condon, 38 Laurel St., 3 story, 65 x 110 ft., Main St $150,000. J. T. Smith, Waterbury, (street address not available), archt.

Conn., Hartford—High School—May 5, by Bd. Contract & Supply, Municipal Bldg., for Morgan Bukeley High School, 3 story, brick and steel, Maple Ave. and Benton St. $1,200,000. E. T. Willey, 75 Pratt St., archt. J. R. Worcester Co., 79 Milk St., Boston, engrs. Noted May 4.

N. Y., Brooklyn—Apartments—Realty Associates, 162 Remsen St., will build two 3 story, brick, steel and stone, plain foundations, Rockaway Parkway. $200,000 each. Work will be done by separate contracts. Benjamin Driesler, Jr., 153 Remsen St., archt. and engr.

N. Y., New York—Apartment—J. Wolff, c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 5 story, 50 x 125 ft., brick, steel and stone, plain foundation, Macombs Rd. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Hotel—Polsky & Goldstein, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 15 story, 85 x 100 ft., brick, steel and stone, plain foundation, 111 East 89th St. $1,000,000. Work will be done by separate contracts under supervision of architect.

N. J., Trenton—Bank—Apr. 23, by A. C. Bossom, archt. and engr., 680 5th Ave., New York City, 14 story, 66 x 149 ft., brick, steel and concrete, West State St., here, for Trenton Trust Co., State St. and Chancery Lane. $800,000.

Pa., Pittsburgh—Church—C. R. Geisler, archt., Ferguson Bldg., will build 4 story and basement, 100 x 100 ft., Wylie Ave., for Central Baptist Church. 2405 Center Ave. $200,000. Work will be done by separate contract.

Pa., Pittsburgh—Store—W. E. Snaman, archt., Empire Bldg., will build 1 story top addition, 5th Ave. and Smithfield St., for Frank & Seder Co., 5th Ave. and Smithfield St. $150,000. Work will be done by separate contract.

Md., Baltimore—School—May 2, by Bd. Awards, 3 story and basement, 60 x 227 ft., rein.-con. and brick, plain foundation, Nevada and 1st Sts. $600,000. B. Frank, 328 North Charles St., archt., H. Massart, 328 North Charles St., engr.

N. C., Raleigh—Institutional—Apr. 30, by Building Comn., 2 brick cottages, engineers cottage, library, gymnasium, industrial and cold storage buildings, for State School For Blind. $325,000. J. A. Salter, 102 West Hargett St., archt.

O., Cleveland—Apartment—A. L. Freeman, 10829 Earle Ave., taking bids and opens same about Apr. 24, 3 story and basement, 38 x 140 ft., brick and timber, plain foundation. 1716 East 115th St. $150,000. M. Weis, Union Bldg., archt.

O., Cleveland — Informary — May 4, by State Hospital Comn., Columbus, 2 story, 180 x 180 ft., brick, concrete and steel, Warner Rd., here. $225,000. R. S. Harsh, Columbus, state archt. Noted Apr. 5.

O., Lima—High Schools—Apr. 27, by Bd. Educ., 2 story, 63 x 90 ft. and 169 x 211 ft. brick, steel and concrete additions to Franklin and South High Schools. $400,000. T. McLaughlin & Associates, Savings Bldg., archts.

O., Mt. Vernon—Memorial—May 10, by Mt. Vernon Memorial Assn., 2 story and basement, 100 x 140 ft., brick, concrete and stone. $200,000. Richards, McCarty & Bulford, 584 East Broad St., Columbus, archts. Noted Apr. 12.

O., Pleasantville—High School—May 10, by Bd. Educ., 2 story and basement, brick and concrete. $170,000. Walker & Norwich, 1301 Amer. Bldg., Dayton, archts.

Ill., Chicago—Apartment—W. E. Forrester, 5617 West Madison St., receiving bids 3-story, 100 x 140 ft., rein.-con., brick and steel, 238-46 North Parkside Ave. $175,000. W. G. Kreig and J. T. and M. D. Hetherington, 105 North Clark St., archts.

Ill., Chicago—Apartment—C. W. Lampe, archt., 155 North Clark St., receiving bids 3-story and basement, 100 x 170 ft., rein.-con., brick and steel, Randolph and Maple Sts., for R. Gabel, c/o architect. $150,000.

Ill., Chicago—Apartment—F. A. Johnson, c/o Morgan Sash & Door Co., 2287 Blue Island Ave., receiving bids 3-story, 175 x 200 ft., rein.-con., brick and steel, Madison St. near Cicero Ave. $450,000. R. F. France, 155 North Clark St., archt.

Ill., Chicago—Bank, Store and Office—Z. E. Smith, archt., 305 East 55th St., receiving bids 3-story, 106 x 125 ft., rein.-con., brick and steel, Cottage Grove Ave. and 79th St., for O'Connor, Burke & McDonnell, 6823 Stony Island Ave. $200,000.

Wis., Kohler—Office—Kohler Co. taking bids 3 story and basement, 62 x 210 ft., brick and concrete, plain foundation. $150,000. Brust & Philipp, 405 Bway., Milwaukee, archts.

Wis., Milwaukee—Apartment—Apr. 23, by M. Tullgren & Sons Co., archts., 425 East Water St., 6 story and basement, 50 x 92 ft., brick and concrete, plain foundation, Hathaway St., for O. Brachman, 425 East Water St. $160,000. Noted Mar. 22.

Wis., Milwaukee — Apartment-Hotel — Apr. 30, by Rosman & Wierdsma, archts., 424 Jefferson St., 6 story, 130 x 172 x 186 ft., brick and concrete, Grand Ave. $800,000. Owners name withheld.

Wis., Milwaukee—Hotel—Apr. 23, by C. Barkhausen, archt., 97 Wisconsin St., 4 story, 75 x 120 ft., brick, steel and concrete, addition, for Hotel Medford, 3rd and Sycamore Sts. $400,000. Noted Mar. 1.

Neb., Grand Island—High School—Apr. 30, by Secy. Grand Island School Dist., 2 story, 63 x 152 ft., rein.-con. and brick. $150,000. Kirschke & Crocker, Box 790, archts. Noted Mar. 15.

Mo., Kansas City—Interurban Station—May 1, by Wright & Wright, archts., 400 First National Bank Bldg., 10 story and basement, 132 x 200 ft., stone and terra cotta, 10th and McGee Sts., for C. C. Peters, 11th St. and Grand Ave. $3,000,000. W. E. Gillham, 409 Interstate Bldg., mech. engr.

N. M., Albuquerque—Office, Theatre, etc. —May 1, by Trost & Trost, archts. and engrs., N. T. Armijo Bldg., 6 story, 90 x 140 ft., rein.-con., brick and stone for J. Barnett, Albuquerque. $200,000.

Wash., Olympia—Capitol—May 8, by Capitol Building Com., constructing capitol as far as base of dome, incl. first four divisions, Capitol Grounds. $1,500,000. Noted Mar. 8.

Calif., Modesto — Schools — Apr. 24, by Trustees Modesto Grammer School Dist., 2 brick grammer schools, $75,000 each; alterations to present school, $20,000. J. J. Donovan, 1916 Bway., Oakland, archt. Noted Mar. 15.

Calif., Norwalk — School — Apr. 30, by Trustees Excelsior Union High School Dist., group of buildings, incl. main building, domestic arts, commercial, manual arts, etc., frame and brick. To exceed $150,000. T. C. Kistner, Spurgeon Bldg., Santa Ana, archt. Noted Nov. 16.

Calif., Piedmont—School—Apr. 24, by Trustees Piedmont School Dist., 2 and 3 story, rein.-con. $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Mar. 15.

Calif., Sacramento—Hospital—Apr. 26, by R. A. Herold, archt., Forum Bldg., 5 story and basement, rein.-con. and terra cotta, 40th and J Sts., for Sisters Hospital, c/o architect. $600,000. Noted Mar. 8.

BIDS RECEIVED

D. C., Washington—School—Dist. Comrs., 509 Dist. Bldg., Henderson School 184, (1) work complete, from G. C. Wyne, Home Life Bldg., (1) $156,300 (2) deduct $950 (4) add $8,000; D. J. Phipps, Roanoke, Va., (1) $159,900 (2) deduct $1,000 (3) deduct $295 (4) add $11,000; H. B. Davis, 1311 G St., N.W., (1) $163,743 (2) deduct $1,000 (3) deduct $300 (4) add $9,850.

O., Cleveland—Hospital—City, Apr. 6, 2 story and basement, 40 x 250 ft., brick and concrete, Warrensville Farm, from M. G. Heintz, 1184 Warren Rd., Lakewood, $223,491; Central States Eng. & Constr. Co., Union Commercial Bank Bldg., $225,600; P. Kirschner Co., 1104 Prospect St., $232,000. Noted Mar. 29.

Calif., Taft—High School—Taft Union High School Dist., auditorium, gymnasium, shops, etc., for high school, general contract from W. J. Ochs, 405 Clark St., Fresno, $208,797. Noted Mar. 15.

CONTRACTS AWARDED

Mass., Boston — School — Schoolhouse Comn., City Hall, 3 story, 75 x 100 ft., brick and concrete, Gove St., to J. Bowen Co., 184 Dudley St., $148,840. Noted Feb. 1.

Mass., Springfield—School—City, 2 story, 90 x 200 ft., brick, Indian Orchard section, to J. G. Roy, 21 Silver St., $161,720. Archts. est. $200,000. Noted Oct. 19.

N. Y., Brooklyn—Apartment—A. Berfaud, c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build 4 story, 90 x 90 ft., brick, steel and stone, plain foundation, 21st Ave. and 84th St. by day labor. $150,000.

N. Y., Brooklyn — Apartment — Hicklow Constr. Co., c/o W. I. Hohauser, archt. and engr., 116 West 39th St., New York, will build 5 story, 100 x 150 ft., brick, steel and stone, plain foundation, Bushwick and Gates Aves., here, by day labor. $250,000.

N. Y., New York—Apartment—L. Klosk, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 6 story, brick, steel and stone, plain foundation, Mosholu Parkway, by day labor. $250,000.

N. Y., New York—Apartment—Open Stair Dwelling Co., c/o Henry Atterbury Smith, archt. and engr., 874 Bway., will build 6 story, 85 x 115 ft., brick, steel and stone, plain foundation, West 147th St., by day labor. $200,000.

N. Y., New York—Apartment—Paterno Constr. Co., 117 West 54th St., will build 6 story, 110 x 500 ft., brick, steel and stone, plain foundation, 128 Pinehurst Ave., by day labor. $750,000. G. F. Pelham, 200 West 72nd St., archt. and engr.

N. Y., New York—Apartment—Paterno Constr. Co., 117 West 54th St., will build 5 story, brick, steel and stone, plain foundation, Northern Ave., by day labor. $250,000. G. F. Pelham, 200 West 72nd St., archt. and engr.

Pa., Allison Park—Home—Joar Home, 1 story and basement, 94 x 188 ft., Butler Pike, to F. L. Fisher, 17 Shingiss St., Pittsburgh. Archts. est. $150,000.

Pa., Altoona—Exchange—Bell Telephone Co., Broad and Vine Sts., Philadelphia, 2 and 3 story, 115 x 180 ft., 12th Ave. and 16th St., to Central Constr. Co., 5th and Emerald Sts., Harrisburg. Archts. est. $300,000.

Pa., Freeport—High School—Bd. Educ., general contract 2 story, 4th St., to Carstenson & McLain, 413 Main St., Johnstown, $108,689. Noted Mar. 8.

Pa., Phila.—College—St. Joseph's College, 17th and Thompson Sts., 3 story and basement, 54 x 197 ft., rein.-con., brick and steel, plain foundation, 17th and Thompson Sts., to F. V. Warren & Co., 132 South 17th St. Archts. est. $500,000.

Pa., Phila. — Parish House — St. Pauls Church, Chestnut Hill, (Phila., P. O.) 2 story and basement, 30 x 64 ft., 40 x 76 ft. and 25 x 40 ft. rein.-con., brick and steel, plain foundation, Chestnut Hill, to J. S. Cornell & Sons, Morris Bldg. Archts. est. $200,000.

Pa., Pittsburgh—Synagogue—B'Nai Israel Congregation, c/o Sharove & Freidman, archts., Berger Bldg., 1 and 2 story and basement (round), 120 ft. diam., North Negley Ave., to H. Miller & Son, 2565 5th Ave. Archts. est. $250,000. Noted Mar. 15.

Pa., Scranton — Store — Cleland-Simpson Co., Wyoming Ave., improving present building and constructing 5 story 50 x 167 ft. addition, also 2 miscellaneous additions, concrete, brick and steel, to E. S. Williams, Coal Exch. $350,000.

Md., Baltimore—High School—Mayor and City Council 3 story, 260 x 295 ft., rein.-con., brick and steel, plain foundation, Calhoun, Carey and Baker Sts., to J. H. Miller, Inc., Eutaw and Franklin Sts., $1,149,000. Noted Mar. 29.

D. C., Washington — Hotel — Continental Hotel, North Capitol and D Sts., hotel addition, to S. J. Prescott, 814 13th St., N. W. Archts. est. $200,000.

Va., Richmond — Bank — Broad Street Bank, 6th and Broad Sts., 1 story, to J. Fox & Sons, 2nd and Franklin Sts., $183,000.

Va., Richmond—Bank and Office—State & City Bank & Trust Co., 1111 East Main St., 13 story, rein.-con. and steel, 9th and Main Sts., to J. T. Wilson Co., Inc., Main St. Archts. est. $1,600,000.

Buildings (Continued)

N. C., Charlotte—Office—Textile Office Bldg., c/o W. L. Stoddard, archt., 9 East 40th St., New York City. 15 story and basement, 60 x 180 ft., brick, concrete and steel, to Hunkin-Conkey Constr. Co., Century Bldg., Cleveland, O. Archts. est. $1,000,000. This corrects report in Apr. 5 issue.

Fla., St. Petersburg—Hotel—Mason Hotel Co., 9 story, steel, brick and terra cotta, 4th St. and 1st Ave. N., to Ingles Iron & Steel Co., 720 Ave. D, Birmingham, Ala.

La., New Orleans — Chemistry — Bldg. Com. Loyala University, 6363 St. Charles St., 4 story, 66 x 200 ft. rein.-con., brick and terra cotta, to J. Fromherz, Title Guarantee Bldg., $260,000, plumbing, heating and lighting, to H. N. Moody, 815 Perdido St., $30,000.

Tenn., Memphis—Hotel—G. B. Barnett, Jr., St. Louis, Mo., (street address not available), general contract 10 story, containing 253 apartments, Poplar and Parkway Sts., here, to Kaucher-Hodges, Exch. Bldg., St. Louis, Mo. Archts. est. $400,000.

Tenn., Nashville—Apartment—Prichett & Thomas Co., Stahlman Bldg., general contract 3 story and basement, brick and concrete, to H. P. Jacobs & Co., Independent Life Bldg., $160,000.

O., Cleveland—Bank and Commercial, etc. —A. Greenwald, Society for Savings Bldg., 2 story, 66 x 220 ft. bank, commercial building and garage, brick and steel, Bway. and East 71st St., to Krinsky & Sadia, 11837 East 86th St. Archts. est. $150,000.

O., Columbus — Medical Science — C. E. Steele, secy. Bd. Trustees Ohio State University, 4 story and basement, 75 x 145 ft., rein.-con., brick and stone, on campus, to Boyajohn & Barr, Brunson Bldg., $230,-500. Noted Mar. 15.

O., Medina—High School—Bd. Educ., 2 story, 99 x 183 ft., brick, steel and concrete, to V. W. Surber, Federal Oil & Gas Bldg., Akron, $223,000. Noted Apr. 12.

O., Tiffin—High School—Bd. Educ., 2 story and basement, 93 x 198 ft., brick and concrete, to Hassler Bros., Tiffin, $167,000. Noted Nov. 2.

Ill., Chicago—Apartment—A. G. Erickson, 4745 North Hermitage St., 3-story, 116 x 167 ft., rein.-con., brick and steel, 6901-17 North Ashland Ave., to G. Jackson, 609 East 60th St. Archts. est. $175,000.

Ill., Chicago—Apartment—J. Hultgren, 5225 North Sawyer St., 3-story, 78 x 95 ft., rein.-con., brick and steel, 3100-08 Eastwood Ave., to J. Thorp, 5643 North Rockwell Ave. Archts. est. $150,000.

Ill., Chicago — Apartment — H. Rabinof, 856 Barry Ave., 3-story, 125 x 175 ft., rein.-con., brick and steel, 856-900 Barry Ave., to Gamn Bros. Constr. Co., 133 West Washington St. $150,000.

Ill., Chicago—Apartment and Store—O. Travis, 155 North Clark St., 3 story, rein.-con., brick and steel, 1414-24 Devon Ave., to Modern Builders & Investment Co., 155 North Clark St. Archts. est. $150,000.

Ill., Chicago—Dormitory and School—Northern Baptist Theological Seminary, Washington and Albany Sts., 3-story, rein.-con., brick and steel, to Fitzgerald Bros. Co., 105 West Monroe St. Archts. est. $150,000. Noted March 1.

Ill., Chicago—Store and Hotel—S. A. Malato, c/o R. F. France, archt., 155 North Clark St., 4-story, 75 x 125 ft., rein.-con., brick and steel, 5448-52 Bway., to H. Janisch & Co., 1813 Winona St. Archts. est. $225,000.

Ill., Chicago—Store and Office—National Bond & Mortgage Trust Co. of Illinois, 3146 North Lincoln Ave., 8-story, 164 x 167 ft., rein.-con., brick and steel, Lincoln, School and Marshfield Sts., to A. Brundage, 110 South Dearborn St. Archts. est. $400,000.

Wis., Green Bay—Hotel—Wisconsin Hotel Realty Co., 86 Michigan St., Milwaukee, 8 story, 130 x 160 ft., brick and concrete, Pine St., here, to W. W. Oeflein, Inc., 86 Michigan St., Milwaukee. Archts. est. $900,-000. Noted Mar. 1.

Wis., Sheboygan—Store—J. and W. Jung Co., 720 North 8th St., 3 story, 150 x 150 ft., brick, rein.-con. and steel, plain foundation, 8th St., to Verhulst Co., 2221 Calumet Dr. Archts. est. $200,000. Noted Mar. 22.

Ia., Ida Grove—School—Bd. Educ., general contract 2 story and basement, 60 x 200 ft., rein.-con., brick, tile and stone, to T. Park, Storm Lake, $140,000. Noted Mar. 22.

Neb., Kearney—Hospital Order of Good Samaritan, general contract 3 story and basement, 50 x 150 ft., rein.-con., brick and stone, here, to E. R. Green, Hastings. Archts. est. $200,000.

Neb., Omaha—Office and Store—C. and R. C. Cook, c/o George & Co., 902 City Natl. Bank Bldg., 4 story and basement, 135 x 260 ft., rein.-con., brick and steel, Howard St. between 16th and 17th Sts., general contract to J. Black Masonry & Contg. Co., 515 Federal Reserve Bank Bldg. Archts. est. $1,000,000. Noted Mar. 29.

S. D., Sioux Falls—School—Bd. Educ., 2 story and basement, rein.-con., brick, stone and tile, to Carlson-Snitkey Co., Minnehaha Bldg., $121,257. Noted Mar. 8.

Mo., Kansas City—Hotel—Reyburn Eng. & Constr. Co., 609 Waldheim Bldg., will build 7 story and basement, 150 x 150 ft., rein.-con., brick and stone, 37th St. and Bway., by day labor. $250,000.

Colo., Denver — Church — Sacred Heart Parish, 23rd and York Sts., general contract, 75 x 150 ft., brick, rein.-con. and terra cotta, to J. J. Cooke, 1661 East 25th Ave., Denver, $150,000. Archts. est. $200,-000. Noted Mar. 1.

Ore., Portland—Apartment—H. Gordon, owner and archt., 607 Railway Exch. Bldg., will build 4-story and basement, 88 x 92 ft., rein.-con. and brick, 545 Morrison St., by day labor. $150,000.

Ore., Portland—Apartment—J. C. Moore, Washington Bldg., 4-story and basement, 77 x 93 ft., rein.-con., East 25th and Hawthorne Sts., to G. E. Mangar, 704 Spalding Bldg., $150,000.

Calif., Ocean Park—Office and Store—Casino Building Co., 5-story and basement, rein.-con. and brick, Marine St., to Stradley & Newton, Detwiler Bldg., Los Angeles, to exceed $750,000.

Calif., Pasadena — Church — All Saints Episcopal Church, brick and concrete, to W. T. Loesch, 109 South Chester Ave., $215,000. Noted Mar. 29.

Federal Government Work

PROPOSED WORK

N. Y., Staten Island—Machine Shop—Superintendent of Lighthouses, rejected bids, 3 story, rein.-con., machine shop addition, at General Lighthouse Depot, Tompkinsville. Noted March 8.

Pa., Philadelphia—Engine Testing Room—Spec. 4835—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans engine testing room at aircraft factory, here.

Pa., Philadelphia — Engine Treatment Building—Spec. 4839—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans engine treatment building at aircraft factory, here.

Md., Annapolis—Water Softening Plant—Spec. 4836—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans water softening plant, here.

Va., Norfolk—Steam Line—Spec. 4840—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans steam line, here.

Va., Yorktown—Power Plant Equipment, etc.—Spec. 4826—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans power plant equipment and piping, here.

W. Va., Huntington—Houses—U. S. Engineer, Huntington, rejected bids lockkeepers' houses at Dams 14 and 26, Ohio River. Noted Feb. 15.

Fla., Pensacola—Extension—Spec. 4837—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans bulkhead extension, here.

Ky., Camp Knox—Road—Construction Quartermaster, Camp Knox, plans repairing Dixie Highway, about 8 mi. concrete and 1.2 mi. water-bound macadam, 20 ft.

Ky., Dawson Springs—Recreation Building, etc.—U. S. Veterans Bureau, Arlington Bldg., Washington, D. C., plans recreation building and 6 double sets officers quarters, here.

Ky., Louisville—Hull, etc.—U. S. Engineer, P. O. Box 72, plans 1 steel maneuver boat hull and 2 steel needle flats.

Ky., Louisville—Metal Work—U. S. Engineer, P. O. Box 72, plans metal work for weirs for Dam 44, Ohio River.

Ky., Louisville—Steel Hulls—U. S. Engineer, P. O. Box 72, plans 3 steel hulls for derrick boats.

Ark., Hot Springs—Buildings—Constructing Quartermaster, Army and Navy General Hospital, here, plans guardhouse; also building for Physiotherapy and X-ray.

Calif., Livermore—Hospital—Director U. S. Veterans Bureau, Arlington Bldg., Washington, D. C., rejected bids complete Tuberculosis Hospital, here. Noted Apr. 5.

H. T., Pearl Harbor—Fire Protection System—Spec. 4827—Bureau Yards & Docks, Navy Dept., Washington, D. C., plans fire protection system at Naval Ammunition Depot, here.

BIDS DESIRED

N. Y., Binghamton—Boilers—May 11, by Treas. Dept., Washington, D. C., 2 horizontal fire-box boilers, at U. S. Court House and Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

N. J., Lake Denmark—Standpipe—Spec. 4759—May 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., standpipe, here. Noted Dec. 7.

Pa., Phila. — **Underpinning Chimney** — Spec. 4818—May 9, by Bureau Yards & Docks, Navy Dept., Wash., D. C., underpinning chimney, at aircraft factory, here. Noted March 22.

Del., Wilmington—Dredging—May 14, at office U. S. Engineer, dredging Tuckerton Creek, N. J.; adv. this issue.

Md., Edgewood—Water and Sewer Lines April 23, by Constructing Quartermaster, Edgewood Arsenal, water and sewer lines at Ft. Hoyle and Arsenal, here; adv. this issue.

Fla., Pensacola—Pump House, etc.—Spec. 4793—May 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., pump house, timber trestle, equipment and piping, at Naval Air Station, here. Noted March 8.

Ala., Mobile — Quarters — May 11, by Treas. Dept., Wash., D. C., medical officers quarters at U. S. Marine Hospital, here; adv. this issue.

Tenn., Memphis—Coal—Apr. 26 at office District Engineer, Mississippi River Dredging Dist., U. S. Dredge Depot, 5,000 tons coal; adv. this issue.

O., Columbus—Hangars, etc.—May 1 at office Constructing Quartermaster, Columbus General Reserve Depot, demolishing 2 steel hangars and erecting 2 steel hangars, etc.; adv. this issue.

Ind., Ft. Benjamin Harrison—Sewers—Apr. 23 at office Constructing Quartermaster, reconstruction and repair of sanitary sewers and disposal plant; adv. this issue.

Mich., Detroit—Mailing Platform—May 10, by Treas. Dept., Wash., D. C., extension to mailing platform, etc., U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Minn., St. Cloud—Dismantling—Spec. 4829—Apr. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dismantling tank and tower at Hampton Rds., Norfolk, Va., and transporting same to U. S. Veterans Hospital, here; adv. this issue. Noted Apr. 12.

Minn., St. Cloud—Water System, etc.—Spec. 4830—May 9, by Bureau Yards & Docks, Navy Dept., Wash., D. C., water and sewerage systems at U. S. Veterans Hospital, here. Noted April 12.

Washington—Roads—Apr. 24, by C. H. Purcell, dist. engr., U. S. Forestry Dept., Bway. and Glisan St., Portland, Ore., 7 in. gravel surfacing on 9.9 mi. International and Empire Highway, Stevens Co., 16 ft. State and Federal Government each pay one-half of cost.

Calif., Mare Island — Reroofing — Spec. 4825—May 2, at Pub. Wks. Office, Mare Island, reroofing 8 barracks buildings. L. E. Gregory, ch. Bureau Yards & Docks, Washington, D. C.

BIDS RECEIVED

Ky., Eddyville—Cement—U. S. Engineer, Custom House, Nashville, Tenn., furnishing and delivering 4,000 bbl. cement, here, from Kosmos Portland Cement Co., Kosmosdale, $2.81 per bbl.; Missouri Portland Cement Co., Post-Dispatch Bldg., St. Louis, Mo., $2.76 per bbl. (2,000 bbl. only); Atlas Portland Cement Co., 134 South La Salle St., Chicago, Ill., $2.87 per bbl. (paper sacks). All above less 10 cents per bbl. if paid within 10 days. Noted Apr. 5 under "Nashville, Tenn."

Ky., Louisville—Cement—U. S. Engineer, P. O. Box 72, furnishing and delivering 62,-600 bbl. portland cement, from Kosmos Portland Cement Co., 614 Marion E. Taylor Bldg., $2.50 and $0.10 per sack (not returned) f.o.b. Kosmosdale; Atlas Portland Cement Co., 134 South La Salle St., Chicago, for 25,000 bbl., $2.60 ($0.10 for sacks returned), f.o.b. Hannibal, Mo. Noted Mar. 15.

Ind., Newburg—Lock—U. S. Engineer, P. O. Box 72, Louisville, Ky., constructing Lock 47, Ohio River, here, from National Contract Co., 902 Citizens' National Bank, Evansville, Ind., $1,494,494; Dravo Contg. Co., Diamond Bldg., Pittsburgh, Pa., $1,664,-892. Noted Mar. 1.

Ariz., Nogales—Post Office—Treas. Dept., Washington, D. C., construction U. S. Post Office, here, from J. Devault, Massillon Rd., Canton, $92,283; H. J. Farmer, P. O. Box 1083, Nogales, $95,480; C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $98,000.

CONTRACTS AWARDED

N. Y., Ft. Lafayette (Brooklyn P. O.)—Roof—Spec. 4791—Bureau Yards & Docks, Navy Dept., Washington, D. C., magazine roof at Naval Ammunition Depot, here, to G. H. Cooper, 1674 Bway., New York, $9,340 (75 days). Noted April 12.

Pa., Phila.—Dredging—U. S. Engineer, 815 Witherspoon Bldg., dredging Delaware River, in Harbor here, 573,000 cu.yd. excav., maximum allowable overdepth 290,000 cu. yd., to Amer. Dredging Co., Mariner and Merchant Bldg., $230,000. Noted March 29.

Pa., Phila. — **Extension** — **Treas. Dept.**, Washington, D. C., extension to vault in U. S. Mint, here, to E. H. Keefer & Son, 1321 Redman St., $10,902 (120 days).

Federal Government Work (Continued)

Md., Annapolis—Mechanical Equipment—Spec. 4796—Bureau Yards & Docks, Navy Dept., Washington, D. C., mechanical equipment for natatorium, at Naval Academy, here, to Roberts Filter Mfg. Co., 6th and Colorado Aves., Darby, Pa., $20,200 (180 days). Noted April 5.

Ala., Florence—Head-Gate Track, etc.—U. S. Engineer, head-gate track, screen track, seal castings, etc., for power house section of Wilson Dam, to Rock Island Arsenal, Ordnance Depot, Rock Island, Ill., Lots 1 and 2, $61,482; Dodge Foundry Co., Chattanooga, Tenn., (street address not available), Lot 3, $2,698. Noted March 8.

Ky., Louisville—Piling—U. S. Engineer, P. O. Box 72, delivering 309 tons sheet piling for Dam 44, Ohio River, to Bethlehem Steel Co., Bethlehem, Pa., $19,127. Noted April 12.

O., Cincinnati—Gates—U. S. Engineer, furnishing, delivering and erecting lock gates for Dams 36 and 38, Ohio River, to J. Eichleay, Jr., Co., 45 South 20th St., Pittsburgh, Pa., $139,200. Noted April 5.

Wash., Puget Sound—Cranes—Spec. 4755 Bureau Yards & Docks, Navy Dept., Washington, D. C., 15-ton electric traveling crane at Navy Yard, here, to Manning, Maxwell & Moore, Inc., 119 West 40th St., New York City, $11,587 (120 days). Noted March 22.

Calif., San Diego—Storehouse—Spec. 4770—Bureau Yards & Docks, Navy Dept., Washington, D. C., storehouse for paints and oils at Naval Base, here, to Union Constr. Co., foot of 14th St., Oakland, $18,940 (90 days). Alternate bid also accepted $0.30 per sq.ft. for concrete floors. Noted April 12.

Miscellaneous

PROPOSED WORK

Park—Rockville, Conn.—City plans park at Fox Hill. $25,000. C. Bancroft, Rockville, engr. Noted Nov. 16.

Elimination of Grade Crossings—Little Falls, N. Y.—Grade Crossing Elimination Comn., plans 3 overhead crossings over New York Central R.R. tracks. To exceed $200,000. L. Burrell, pres.

Golf Course—Cresson, Pa.—See "Buildings."

Subway—Meyersdale, Pa.—Comrs. Somerset Co., Somerset, soon take bids 900 ft. subway under Baltimore & Ohio R.R. tracks here, County to pay $7,500, Summitt Twp. $500, State Hy. Dept. $15,000 and Baltimore & Ohio R.R. $77,000. Total est. $100,000. E. O. Long, Somerset, engr.

Grade Separation—Detroit, Mich.—Wayne Co. Rd. Comn., 1102 Real Estate Exch. Bldg., had plans prepared grade separation at Oakwood Blvd. and Detroit, Toledo & Ironton R.R. tracks 2 mi. west of Oakwood, incl. concrete retaining walls, piers and abutments, 14,300 cu.yd. excav. below subgrade, 240 cu.yd. concrete piers, etc. $40,000. H. Shuptrine, c/o owner, engr.

Steam Heating etc.—Chippewa Falls, Wis.—Chippewa Co. appropriated $25,000 for steam heating plant incl. boilers, for county asylum. H. R. Harris, co. clk. Engineer not selected.

Transmission Line—St. Pauls, N. C.—Carolina Power and Light Co., Raleigh, plans 10 mi. transmission line from Hope Mills to here. P. A. Tillery, Raleigh, genl. mgr.

Subways—Los Angeles, Calif.—Pacific Electric Ry. Co., 610 South Main St., had preliminary plans prepared complete subway system, with central station under Pershing Square, $20,000,000; subway between Hill St. station to 1st St. and Glendale Blvd., to serve Hollywood Dist., 4,200 ft. long, double track line, $3,000,000. E. C. Johnson, ch. engr.

Electrolier System—Porterville, Calif.—Having estimates made for ornamental eelctrolier system. To exceed $25,000. F. Pease, city engr.

Tunnel—Seattle, Wash.—Rejected bids constructing tunnel under Duwamish Waterway at 1st Ave. S. Noted Apr. 12.

Tunnel—Spokane, Wash.—Spokane International Ry., Old Nat' Bank Bldg., having plans prepared for repairs to tunnel, 540 ft. E. G. Taber, ch. engr. $75,000.

Power Development—Corning, Calif.—W. H. Samson and C. D. Hill plan development of 180,000 hp. and irrigation of lands in Sacramento Valley below Red Bluff, incl. storage dam, power plants, 35,000 ft. tunnel, 12 ft. wide and 15 ft. high, canals, etc. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, and Star, Thebe & Anderton, Sharon Bldg., San Francisco, engrs.

Electric Light and Power System—Ontario—Ontario Hydro Comn., London, plans to extend electric power lines from Port Lambton to Wallaceburg and Whitebread. $30,000.

Gold Mining Mill—Pancake Lake via (Matheson Sta.), Ont.—Crown Reserve Mining Co., Cobalt, plans to install gold mill, incl. crushers, stamps, cyanine apparatus, pumps, etc., in mine here, Larder Lake Gold Dist.

Slip Dock—Port Stanley, Ont.—London & Port Stanley Ry., Philips St., London, having preliminary plans prepared improving slip dock incl. new piling and cement work. $25,000. J. E. Richards, c/o owner, engr.

BIDS DESIRED

Road Oil—Rhode Island—May 2, by State Bd. Public Wks., Providence, asphaltic oil or refined tar for sections of State Roads; adv. this issue.

Road Oil—Hartford, Conn.—May 1, by Bd. Contract and Supply, at Mayors Office, Municipal Bldg., road oil, to Street Dept., f.o.b. tank cars, Hartford. W. F. O'Neil, secy.; adv. this issue.

Bituminous Dressing—Buffalo, N. Y.—Apr. 23, by Commissioner Pub. Wks., Municipal Bldg., bituminous dressing for repair of macadam roads for year ending Dec. 31, 1923. G. H. Norton, Municipal Bldg., engr.

Scarifier—Newton, N. J.—Apr. 30 by Town Com., for 1 steam pressure scarifier. J. R. Cornell, clk.; adv. this issue.

Pavilion, etc.—Sea Girt, N. J.—May 1, by Boro Council, pavilion, open air pool and bathing group, southwest corner Ocean Ave. and Chicago Blvd. E. A. Arend and K. M. Towner, 105 West 40th St., New York City, and Kinmouth Bldg., Asbury Park, associated archts.; adv. this issue.

Mixed Concrete, Fuel Oil Tanks, etc.—Phila., Pa.—See "Streets and Roads."

Sea Wall—Biloxi, Miss.—See "Streets and Roads."

Road Oil—Adrian, Mich.—Apr. 23, by G. P. Love, city clk., 70,000 gal. road oil f.o.b. Adrian; adv. this issue.

Foundation—Beloit, Wis.—W. G. Kreig and J. T. and M. D. Hetherington, archts., 105 North Clark St., Chicago, receiving bids foundation for 3 story, (ultimately 6 story), 80 x 124 ft., rein.-con., brick and steel administration building, here, for Beloit Water Gas & Electric Co. $200,000.

Culverts and Extensions—Sigourney, Ia.—Apr. 25, by Auditor Keokuk Co., 65 culverts and extensions. B. J. Conlon, Sigourney, engr.

Bridge Materials—Bison, S. D.—Apr. 30, by T. K. Rowbotham, aud. Perkins Co., material for bridges 10-24 ft. span, channel iron, I beams, etc. and one carload metal culverts.

Cast Iron Pipe—Alhambra, Calif.—City receiving bids 13,800 ft. 4 in., 4,800 lin.ft. 6 in. and 780 lin.ft. 8 in. Class B, c.i. bell and spigot pipe. Bids will be asked for delivery f.o.b. trench, Alhambra and f.o.b. dock, San Pedro.

Road Oil—Fresno, Calif.—May 8, by D. M. Barnwell, Fresno Co. Clk., furnishing 100,000 bbl. road oil for county highway system. C. P. Jensen, co. road engr.

Steel Penstocks and Accessories—San Francisco, Calif.—May 23, at office Bd. Pub. Wks. of city and San Francisco Co., steel penstocks and accessories for Moccasin Creek Power Plant, Contr. 91, Hetch Hetchy Water Supply. W. J. Fitzgerald, secy.; adv. this issue.

Fire Hydrants—Edmonds, B. C.—Apr. 23, by municipality of Burnaby, Municipal Hall, 225 fire hydrants. $25,000. A. G. Moore, clk.

BIDS RECEIVED

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Apr. 10, heating, ventilating and temperature regulation apparatus in P. S. 188, Neptune Ave. between West 33rd and West 35th Sts., from D. J. Rice, 42nd St. and Lexington Ave., New York, $79,247; Federal Heating Co., 300 Madison Ave., New York, $79,972; Austin Eng. Co., 124 West 42nd St., New York, $82,700. Noted Apr. 5.

Dock Wall, etc.—Buffalo, N. Y.—Bd. Pub. Wks., Municipal Bldg., Apr. 10, (1) crib dock wall in Niagara River (2) 8 ft. 6 in. submerged rein.-con. sewer, from Peckham Constr. Co., Niagara Life Bldg., (1) $194,400 (2) $64,400; Great Lakes Dredge & Dock Co., Morgan Bldg., (1) $261,900 (2) $107,800; Cleveland Eng. Constr. Co., 778 The Arcade, Cleveland, O., (1) $311,000 (2) $124,000. Noted Jan. 25.

Stadium—East Cleveland (Cleveland P. O.), **O.**—Bd. Educ., concrete stadium of two stands, 50 x 350 ft., 8,000 seating capacity, from C. A. Carson Co., 7016 Euclid Ave., Cleveland, $73,224; Rice Jones Co., Union Bldg., Cleveland, $73,860; Kelly Demarest Co., Prospect-4th Bldg., Cleveland, $82,900. Noted Mar. 15.

Road Oil, etc.—Milwaukee, Wis.—From Lockwood Oil Co., 1421 Racine St., Racine, 400,000 gal. medium-light surfacing oil $0.0642 per gal.; from Amer. Tar Products Co., 208 South La Salle St., Chicago, 50,000 gal. light bituminous road surfacing material, 200,000 gal. medium tar, 250,000 gal. bituminous road binder, $0.1075 per gal. Noted Mar. 29.

Cement—St. Paul, Minn.—See "Waterworks."

Electrolier System—Berkeley, Calif.—For 75 electroliers on Telegraph Ave., etc., from F. E. Newberry Electric Co., 417 Webster St., Oakland, $22,213; H. C. Reid Co., 115 Mission St., San Francisco, $23,190. Noted March 15.

CONTRACTS AWARDED

Transmission Line—Pawtucket, R. I.—Blackstone Valley Gas & Electric Co., 231 Main St., 66,000 volt transmission line between here and Woonsocket, with 2 outdoor terminal substations, 13,000 volt underground line between Pawtucket stations 1 and 2, to Stone & Webster, Inc., 147 Milk St., Boston. $1,400,000.

Pier—Buffalo, N. Y.—Commissioner Pub. Wks., extending Bird Island Pier, from near foot of Ferry St., to point about 1,100 ft. northerly therefrom, in Niagara River, to Peckham Constr. Co., Niagara Life Bldg., $258,000. Noted Mar. 29.

Asphaltic Cement, etc.—St. George, N. Y.—J. A. Lynch, pres. Richmond Boro, Boro Hall, to J. Johnson Sons, 455 Bway., West New Brighton, 170 tons asphaltic cement, $3,528, 1,300 cu.yd. broken stone $7,810, 4,100 cu.yd. broken stone $16,328; to Barrett Co., 17 Battery Pl., New York City, 100,000 gal. bituminous road surfacing material $10,250; to F. J. Lewis Mfg. Co., Eastern Blvd. and East 177th St., New York, 170,000 gal. tar macadam binder $24,000; to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, 170,000 gal. asphaltic binder $19,975. Noted Mar. 22.

Asphalt Oil, etc.—Trenton, N. J.—Furnishing 20,000 gal. asphalt oil, to Good Roads Co., Franklin Trust Bldg., Philadelphia, $0.32 per gal., 250 tons asphaltic cement, to Atlantic Refining Co., 3144 Passyunk St., Philadelphia, $16 per ton.

Stone, etc.—Trenton, N. J.—Mercer Co. to Pennington Trap Rock Co., Pennington and Hopewell Rds., 7,000 tons stone, 2½ in. $1.15 per ton, 1½ in. $1.95, ¾ in. $2.15, ½ in. $2.40, screenings $1.95.

Grain Elevator—Baltimore, Md.—Baltimore & Ohio R.R., Charles and Baltimore Sts., 61 x 240 ft. grain elevator, 206 ft. high, concrete, concrete pile foundation, 8m. bu. capacity, Locust Point, to M. A. Long Co., Guilford Ave. and Fayette St., $3,000,000. Noted Mar. 22.

Cement—Juneau, Wis.—For 6,000 bbl. cement for city streets, to Juneau Lumber Co., Juneau, $2.50 per bbl. Noted Mar. 22.

Asphalt—Minneapolis, Minn.—For 1,200 tons asphalt for street work, to Du Ro Asphalt Products Co., 133 West Washington St., Chicago, $21.23 per ton. Noted Apr. 4.

Lighting System—St. Paul, Minn.—Installing two hundred and ten 400 candlepower single light posts on Shelby Ave. from Summit to Lexington Aves., and in Western Ave. from Laurel to Marshall Aves., to Hubbard Electric Co., 368 Wabasha St., $39,100. Noted Mar. 29.

Paving Materials—St. Paul, Minn.—For 600 tons limestone dust, to Gopher Stone Co., 1500 Johnson St. N.E., Minneapolis, $5.10 per ton delivered; 2,400 sq.yd. sandstone blocks for street repairs, to Sandstone Quarries Co., 510 Plymouth Bldg., Minneapolis, $2.74 per sq.yd.; 1,700 bbl. portland cement for Bd. Pub. Wks., to Stiefel Material Co., 501 Concord St., $2.54 per bbl., net, on cars. Noted Mar. 1.

Cemetery—Kansas City, Mo.—Memorial Park Cemetery Assn. of Missouri, 406 Commerce Bldg., general contract cemetery, 150 acres, at Walnut Ridge Farm adjoining Swope Park, to Teich & Roessler, 406 Commerce Bldg., $160,000.

Transmission Line—Seattle, Wash.—Bd. Pub. Wks., 100 mi. transmission line, 165,000 volt, from Gorge Creek plant, Skagit Power Project, to Seattle, to Nepage, McKenny Co., Armour Bldg., $268,000. Noted Mar. 22.

Levees—Yuba City, Calif.—Recl. Dist. 1660, rescinded contract let to Callahan Constr. Co., City Natl. Bank, Wichita Falls, Tex., $915,000, for 13 mi. levees, etc. Project postponed indefinitely. Noted Apr. 5.

Docks—Ford City, Ont.—Ford Motor Co. new docks to Considine & Reed, Merchants Bank Bldg., Windsor. $40,000.

Dyke—New Westminster, B. C.—Provincial Govt., Victoria, repairing broken dyke on Nicomen Island, in Fraser River, near here, to T. R. Nickson Constr. Co. Ltd., 739 Hastings St. W., Vancouver, $25,000.